

CASE

NUMBER:

99 - 432

INDEX FOR CASE: 1999-432
TRITEL COMMUNICATIONS, INC.

Construct

OPERATE NEW FACILITY TO PROVIDE WIRELESS-151 JIM LAMBERT ROAD, MT. VERNON

IN THE MATTER OF APPLICATION OF CROWN COMMUNICATION INC.
AND TRITEL COMMUNICATION INC. AND TRITEL FINANCE, INC. FOR
ISSUANCE OF A CERTIFICATE OF PUBLIC CONVENIENCE AND
NECESSITY TO CONSTRUCT A WIRELESS COMMUNICATIONS FACILITY
AT 151 JIM LAMBERT ROAD, MT. VERNON, KY 40456 IN THE
WIRELESS COMMUNICATIONS LICENSE AREA IN THE COMMONWEALTH OF
KENTUCKY IN THE COUNTY OF ROCKCASTLE
SITE NAME: CONWAY
SITE NUMBER: 353 KY

| SEQ NBR | ENTRY DATE | REMARKS |
|------------|---------------|---|
| 0001 | 11/01/1999 | Application. |
| 0002 | 11/02/1999 | Acknowledgement letter. |
| M0001 | 11/09/1999 | LLOYN MCCARTHY CROWN CASTLE INTER-COPY OF LETTER SENT TO RESIDENTS |
| 0003 | 11/12/1999 | No deficiencies letter |
| M0002 | 11/24/1999 | CROWN COMMUNICATIONS DAVID PIKE-MOTION TO SUBMIT FOR EXPIDITED DECSION WITHOUT PUBLIC HEARI |
| 0004 | 02/10/2000 | Final Order granting a Certificate to construct and operate the Conway site. |



COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION
211 SOWER BOULEVARD
POST OFFICE BOX 615
FRANKFORT, KY. 40602
(502) 564-3940

CERTIFICATE OF SERVICE

RE: Case No. 1999-432
TRITEL COMMUNICATIONS, INC.

I, Stephanie Bell, Secretary of the Public Service Commission, hereby certify that the enclosed attested copy of the Commission's Order in the above case was served upon the following by U.S. Mail on February 10, 2000.

See attached parties of record.

Stephanie J. Bell
Secretary of the Commission

SB/hv
Enclosure

David Burak
Tritel Communications, Inc. &
Tritel Finance, Inc.
2351 Nelson Miller Parkway
Suite 103
Louisville, KY. 40223

Lloyd D. McCarthy
Crown Communication, Inc.
Commonwealth Business Center
11001 Bluegrass Parkway, Suite 330
Louisville, KY. 40299

Honorable David A. Pike
Counsel for Crown Communication
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Shepherdsville , KY. 40165 0369

Honorable Mark W. Dobbins
Counsel for Tritel Com. & Tritel Fin.
Tilford, Dobbins, Alexander,
Buckaway & Black
Suite 1400
One Riverfront Plaza
Louisville, KY. 40202

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

APPLICATION OF CROWN COMMUNICATION, INC.)
AND TRITEL COMMUNICATIONS, INC. AND TRITEL FINANCE,)
INC. FOR ISSUANCE OF A CERTIFICATE OF PUBLIC)
CONVENIENCE AND NECESSITY TO CONSTRUCT)
A WIRELESS COMMUNICATIONS FACILITY AT) CASE NO.
151 JIM LAMBERT ROAD, MT. VERNON, KY 40456) 99-432
IN THE WIRELESS COMMUNICATIONS LICENSE AREA)
IN THE COMMONWEALTH OF KENTUCKY)
IN THE COUNTY OF ROCKCASTLE)
SITE NAME: CONWAY)
SITE NUMBER: 353KY)

O R D E R

On November 1, 1999, Crown Communication Inc. ("Crown"), as ultimate owner, and Tritel Communications, Inc. ("Tritel") and Tritel Finance, Inc. filed an application seeking a Certificate of Public Convenience and Necessity to build and operate a cellular radio telecommunications system for the Louisville Major Trading Area ("MTA"). Crown has requested authorization to construct a cell site in Rockcastle County, and Tritel has provided evidence that the public convenience and necessity will be served by the proposed construction.

The proposed cell site consists of a 350-foot or less lattice antenna tower to be located at 151 Jim Lambert Road, Mt. Vernon, Rockcastle County, Kentucky ("the Conway

site"). The coordinates for the Conway site are North Latitude 37° 30' 13.98" by West Longitude 84° 19' 39.51".

Crown has provided information regarding the structure of the tower, safety measures, and antenna design criteria for the Conway site. Based upon the application, the design of the tower and foundation conforms to applicable nationally recognized building standards, and a Registered Professional Engineer has certified the plans.

Pursuant to 807 KAR 5:063, Section 1, Crown notified the Rockcastle County Judge/Executive of the pending construction. Crown has filed applications with and received approval from the Federal Aviation Administration and the Kentucky Airport Zoning Commission for the construction and operation of the Conway site.

Crown has filed notices verifying that each person who owns property within 500 feet of the Conway site has been notified of the pending construction. The notice solicited any comments and informed the property owners of their right to intervene. In addition, notices were published in a newspaper of general circulation in Rockcastle County and were posted in a visible location on the proposed site and on the nearest public road. The notices remained posted for at least two weeks after Crown's application was filed. To date, no intervention requests have been received.

Pursuant to KRS 278.280, the Commission is required to determine proper practices to be observed when it finds, upon complaint or on its own motion, that the facilities of any utility subject to its jurisdiction are unreasonable, unsafe, improper, or insufficient. To assist the Commission in its efforts to comply with this mandate, Crown should notify the Commission if it does not use this antenna tower to provide cellular radio

telecommunications services in the manner set out in its application and this Order. Upon receipt of such notice, the Commission may, on its own motion, institute proceedings to consider the proper practices, including removal of the unused antenna tower, which should be observed by Crown.

The Commission, having considered the evidence of record and being otherwise sufficiently advised, finds that Crown should be granted a Certificate of Public Convenience and Necessity to construct and operate the Conway site in the Louisville MTA.

IT IS THEREFORE ORDERED that:

1. Crown is granted a Certificate of Public Convenience and Necessity to construct and operate the Conway site.
2. Crown shall immediately notify the Commission in writing, if, after the antenna tower is built and utility service is commenced, the tower is not used for a period of 3 months in the manner authorized by this Order.

Done at Frankfort, Kentucky, this 10th day of February, 2000.

By the Commission

ATTEST:


Executive Director

REC'D
NOV 24 1995
PUBLIC SERVICE
COMMISSION

**COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION**

In the Matter of:

APPLICATION OF CROWN COMMUNICATION INC.)
AND TRITEL COMMUNICATION, INC. AND TRITEL FINANCE, INC.)
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC) CASE NO.: 99-432
CONVENIENCE AND NECESSITY TO CONSTRUCT)
A WIRELESS COMMUNICATIONS FACILITY AT)
151 JIM LAMBERT ROAD, MT. VERNON, KY 40456)
IN THE WIRELESS COMMUNICATIONS LICENSE AREA)
IN THE COMMONWEALTH OF KENTUCKY)
IN THE COUNTY OF ROCKCASTLE)

SITE NAME: CONWAY
SITE NUMBER: 353KY

**MOTION TO SUBMIT
FOR EXPEDITED DECISION WITHOUT PUBLIC HEARING**

Come Crown Communication Inc. ("Crown"), as ultimate owner; and Tritel Communications, Inc. and Tritel Finance, Inc. (both Tritel entities are hereinafter jointly referred to as "Provider"), as a licensed public utility in the Commonwealth of Kentucky, Applicants herein, by counsel, and move the Kentucky Public Service Commission ("PSC") to promptly grant a Certificate of Public Convenience and Necessity ("CPCN") in the within Application proceeding based on the following facts and circumstances:

1. The Applicants have met all filing requirements under the Kentucky Revised Statutes and the Kentucky Administrative Regulations applicable to this proceeding.
2. There are no Interveners in this proceeding after Notice has been afforded pursuant to the terms of the Kentucky Revised Statutes and the Kentucky Administrative Regulations.
3. The Wireless Communications Facility ("WCF") which is the subject of this

Application for a CPCN is a vital element of the Provider's wireless communications network, and is necessary to provide service in accordance with provisions of its license with the Federal Communications Commission.

4. The county where the WCF is located has not registered for the right to regulate cell sites with the PSC, and has not adopted planning and zoning regulations in accordance with KRS Chapter 100.

5. The Application in this administrative proceeding was originally filed with the PSC on November 1, 1999, 23 days before the submission of this Motion.

WHEREFORE, Crown Communication Inc. and the Provider, Applicants herein, by counsel, urge the PSC to promptly grant a CPCN in accordance with the terms of the Application in this proceeding without public hearing.

Respectfully submitted,



David A. Pike
Pike Legal Group
200 S. Buckman Street
Post Office Box 369
Shepherdsville, KY 40165-0369
Telephone: (502) 955-4400
Telefax: (502) 543-4410
E-Mail: pikelegal@aol.com
ATTORNEY FOR CROWN COMMUNICATION INC.

and

Mark W. Dobbins
Sandra F. Keene
Tilford, Dobbins, Alexander, Buckaway, & Black
Suite 1400
One Riverfront Plaza
Louisville, KY 40202
ATTORNEYS FOR TRITEL COMMUNICATIONS, INC.
AND TRITEL FINANCE, INC.



COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION

730 SCHENKEL LANE
POST OFFICE BOX 615
FRANKFORT, KY. 40602
(502) 564-3940

November 12, 1999

To: All parties of record

RE: Case No. 99-432
TRITEL COMMUNICATIONS, INC.

The Commission staff has reviewed your application in the above case and finds that it meets the minimum filing requirements. Enclosed please find a stamped filed copy of the first page of your filing. This case has been docketed and will be processed as expeditiously as possible.

If you need further assistance, please contact my staff at 502/564-3940.

Sincerely,

A handwritten signature in cursive script that reads "Stephanie Bell".

Stephanie Bell
Secretary of the Commission

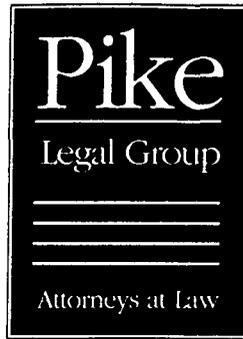
SB/hv
Enclosure

David Burak
Tritel Communications, Inc. &
Tritel Finance, Inc.
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Lloyd D. McCarthy
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Honorable Mark W. Dobbins
Counsel for Tritel Com. & Tritel Fin.
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Suite 1400
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Louisville, KY. 40202



November 1, 1999

VIA HAND DELIVERY

Helen C. Helton
Executive Director
Kentucky Public Service Commission
730 Schenkel Lane
P. O. Box 615
Frankfort, Kentucky 40602

FILED
NOV 01 1999
PUBLIC SERVICE
COMMISSION

Re: Request for Waiver for From Requirements for Duplicate Initial Filing
PSC Case Number: 99-432
Site Name: Conway
Site Number: 353 KY

Dear Helen:

Please accept this letter as our formal application for waiver of the requirement that an original and ten (10) copies of an initial application for issuance of Certificate of Public Convenience and Necessity be filed with the Kentucky Public Service Commission ("PSC") in wireless communications facilities cases. As is the normal custom, we request that we be allowed to file an original and five (5) copies of our application for Certificate of Public Convenience and Necessity.

Thank you for your courtesy. If you have any questions or comments concerning this matter, please do not hesitate to contact me.

Sincerely,

David A. Pike
Regional Counsel for Crown Communication Inc.

DAP:slb

For Inclusion in Application File





COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION
730 SCHENKEL LANE
POST OFFICE BOX 615
FRANKFORT, KY. 40602
(502) 564-3940

November 2, 1999

To: All parties of record

RE: Case No. 99-432
TRITEL COMMUNICATIONS, INC.
(Construct) CELL SITE - 151 JIM LAMBERT ROAD - MT. VERNON

This letter is to acknowledge receipt of initial application in the above case. The application was date-stamped received November 1, 1999 and has been assigned Case No. 99-432. In all future correspondence or filings in connection with this case, please reference the above case number.

If you need further assistance, please contact my staff at 502/564-3940.

Sincerely,

A handwritten signature in cursive script that reads "Stephanie Bell".

Stephanie Bell
Secretary of the Commission

SB/sh

David Burak
Tritel Communications, Inc. &
Tritel Finance, Inc.
2351 Nelson Miller Parkway
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Louisville, KY. 40223

Lloyd D. McCarthy
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Honorable David A. Pike
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Honorable Mark W. Dobbins
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Crown Castle USA Inc.
Kentucky Region
11001 Bluegrass Parkway, Suite 330
Louisville, KY 40299

Tel 502 240.0044
Fax 502 240.0045
www.crowncastle.com

November 1, 1999

Commonwealth of Kentucky
Transportation Cabinet
Frankfort, KY 40622

RECEIVED
NOV - 9 1999
PUBLIC SERVICE
COMMISSION

RE: Public Notice – Public Service Commission of Kentucky
Case No.: 99-432
Our Site No.: 353 KY

Dear Sir or Madam:

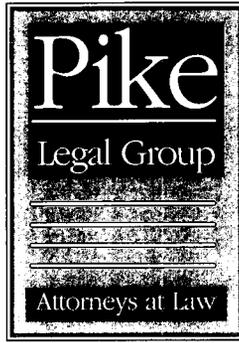
Crown Communication Inc. and Tritel Communications, Inc. have applied to the Public Service Commission of Kentucky ("Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide wireless telecommunication services. The facility will include a 350-foot tower with appurtenances attached to a maximum height of 375 feet, and a ground level equipment shelter to be located at 151 Jim Lambert Road, Mt. Vernon, KY 40456. A temporary tower of shorter stature might be erected at said location while awaiting final PSC approval and the approved tower is operational. This notice is being sent to you because you own property within a 500' radius of the proposed tower.

The Commission invites your comments regarding the proposed construction. You also have the right to intervene in this matter. Your initial communication to the Commission must be received by the Commission within 20 days of the date of this letter as shown above. Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of Kentucky, Post Office Box 615, Frankfort, Kentucky 40602. Please refer to Case No.: 99-432 in your correspondence.

Feel free to contact me at (502) 240-0044 ext. 52 if you have any questions.

Sincerely,
CROWN COMMUNICATION INC.

Lloyd D. McCarthy
For Crown Communication Inc.



November 1, 1999

RECEIVED
NOV 1 1999
PUBLIC SERVICE
COMMISSION

VIA HAND DELIVERY

Helen C. Helton
Executive Director
Kentucky Public Service Commission
730 Schenkel Lane
P. O. Box 615
Frankfort, Kentucky 40602

FILED
NOV 01 1999
PUBLIC SERVICE
COMMISSION

Re: Request for Waiver for From Requirements for Duplicate Initial Filing
PSC Case Number: 99-432
Site Name: Conway
Site Number: 353 KY

Dear Helen:

Please accept this letter as our formal application for waiver of the requirement that an original and ten (10) copies of an initial application for issuance of Certificate of Public Convenience and Necessity be filed with the Kentucky Public Service Commission ("PSC") in wireless communications facilities cases. As is the normal custom, we request that we be allowed to file an original and five (5) copies of our application for Certificate of Public Convenience and Necessity.

Thank you for your courtesy. If you have any questions or comments concerning this matter, please do not hesitate to contact me.

Sincerely,

David A. Pike
Regional Counsel for Crown Communication Inc.

DAP:slb

For Inclusion in Application File



COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED
NOV - 1 1999
PUBLIC SERVICE
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In the Matter of:

APPLICATION OF CROWN COMMUNICATION INC.)
AND TRITEL COMMUNICATION INC. AND TRITEL FINANCE, INC.)
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC) CASE NO.: 99-432
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IN THE COUNTY OF ROCKCASTLE)

SITE NAME: CONWAY
SITE NUMBER: 353 KY

Crown Communication Inc. ("Crown"), as ultimate owner; and Tritel Communications, Inc. and Tritel Finance, Inc. (both Tritel entities are jointly referred to as "Provider"), as a licensed public utility in the Commonwealth of Kentucky, hereinafter jointly referred to as "Applicants", by counsel, pursuant to (i) KRS 278.020 and the rules and regulations applicable thereto, and (ii) the Telecommunications Act of 1996, respectfully submit their Application for a Certificate of Public Convenience and Necessity ("CPCN") from the Public Service Commission of Kentucky ("Commission") to construct, maintain, and operate a Wireless Communications Facility ("WCF") to serve the customers of the Provider with wireless telecommunications services, and other wireless service provider collocations in the area described herein.

In support of this Application, the Applicants respectfully provide and state the following information:

1. The complete names and addresses of the Applicants are:

Crown Communication Inc., a Delaware Corporation, 375 Southpointe Boulevard, Canonsburg, PA 15317, (724) 416-2000, having a local address of Commonwealth Business Center, 11001 Bluegrass Parkway, Suite 330, Louisville, Kentucky 40299, (502) 240-0044.

Tritel Communications, Inc., a Delaware Corporation, 1410 Livingston Lane, Jackson, Mississippi 39213 (601) 362-2200, having a local address of 2351 Nelson Miller Parkway, Suite 103, Louisville, Kentucky 40223, (502) 253-4100.

Tritel Finance, Inc., a Delaware Corporation, 1410 Livingston Lane, Jackson, Mississippi 39213 (601) 362-2200, having a local address of 2351 Nelson Miller Parkway, Suite 103, Louisville, Kentucky 40223, (502) 253-4100.

2. Crown constructs, owns, manages, maintains, and operates independent communications networks. Crown owns and manages safe, clean, and well-maintained facilities. Crown facilities do not generate smoke, odors, noise, noxious gases, vibrations, or increase traffic. Studies show that Crown's facilities will not pollute air, soil, or water, nor will they adversely affect radio or television reception or transmission. A certified copy of the Certificate of Authority issued by the Secretary of State of the Commonwealth of Kentucky and a certified copy of the Articles of Incorporation issued by the Secretary of State of Delaware are attached hereto as **Exhibit A**.

3. After completion of the proposed WCF, Crown will lease or license space on said tower and the surrounding site so that the Provider may locate and operate its facility including all required antennas and appurtenances. The proposed WCF will serve an area completely within the Provider's Federal Communications Commission "FCC" licensed service area in the Commonwealth of Kentucky. The Provider is authorized to provide wireless services by the FCC and the Commission. In compliance with the Commission's

Order in Administrative Case No. 370, Provider previously filed with the Commission its Notice of Intent to Construct and Operate a Commercial Mobile Radio Service ("CMRS") Transmission System with the Commonwealth of Kentucky. Included with the said Notice were copies of Provider's Articles of Incorporation and FCC license. Tritel also filed a Tariff with the Commission (Tariff No. 60-0067). Crown has located the proposed site in a manner such that other wireless communications service providers will desire to collocate on said tower, and will endeavor to provide all necessary facilities to make collocation attractive to them.

4. The public convenience and necessity require the construction of the proposed WCF. The construction of the WCF will bring the Provider's services to an area currently not served by the Provider and will thereby enhance the public's access to innovative and competitive wireless telecommunications services. The WCF will provide a necessary link in the Provider's telecommunications network that is designed to meet the increasing demands for wireless services in Kentucky's wireless communications licensed area. The WCF is an integral link in the Provider's network design that must be in place to cover the proposed service area.

5. Crown's construction of the described WCF is desirable because it allows for the collocation of additional wireless service providers within this portion of the Kentucky wireless communications licensed area. These services may include telecommunications, wireless data transfer and Internet services, wireless cable, paging systems, 911 service, and other new products currently being developed in the wireless industry. In addition, the WCF will be available for use by governmental agencies and

providers of emergency services. The WCF will provide a necessary link in Crown's wireless infrastructure network, and Crown, as part of its business structure, will diligently pursue and encourage other wireless providers to collocate on the WCF. These services will provide increased competition in the local Kentucky telecommunications market, which will, in turn, promote competitive pricing, quality, and coverage options to users of telecommunications services in this area. Crown's vested interest in the collocation of wireless service providers promotes the same goals for the local consumers.

6. The Applicants propose to construct a WCF at 151 Jim Lambert Road, Mt. Vernon, Kentucky 40456 (37° 30' 13.98" North latitude, 84° 19' 39.51" West longitude), in an area located entirely within the county referenced in the caption of this application. The property on which the WCF will be located is owned by Boyd and Claudia Wren. The proposed WCF will consist of a 350-foot lattice tower, with an approximately 25-foot lightning arrestor attached at the top, for a total height of 375 feet. The WCF will also include concrete foundations to accommodate the placement of the Provider's proprietary radio electronics equipment. The equipment will be housed in a prefabricated cabinet or shelter that will contain: (i) the transmitting and receiving equipment required to connect the WCF with the Provider's users in Kentucky, (ii) telephone lines that will link the WCF with the Provider's other facilities, (iii) battery back-up that will allow the Provider to operate even after a loss of outside power, and (iv) all other necessary appurtenances. The Provider's equipment cabinet or shelter will be approved for use in the Commonwealth of Kentucky by the relevant building inspector. The WCF compound will be fenced and all access gate(s) will be secured. A description of the manner in which the

proposed WCF will be constructed is attached as **Exhibit B** and **Exhibit C**. Periodic inspections will be performed on the WCF in accordance with the applicable regulations or requirements of the Commission. The list of competing utilities, corporations, or persons is attached as **Exhibit D**.

7. Reduced copies of the site development plan have been included as **Exhibit B** and **Exhibit C** of this Application. A vertical profile sketch of the WCF signed and sealed by a professional engineer registered in Kentucky depicting the tower height, as well as a proposed configuration for the antennas of the Provider and future antenna mounts, has also been included as part of **Exhibit B**. Foundation design plans and a description of the standards according to which the tower was designed signed and sealed by a professional engineer registered in Kentucky is included as part of **Exhibit C**.

8. The Applicants have considered the likely effects of the installation on nearby land uses and values and have concluded that there is no more suitable location reasonably available from which adequate services can be provided, and that there are no reasonably available opportunities to collocate. The Applicants have attempted to collocate on suitable existing structures such as a telecommunications towers or other suitable structures capable of supporting the Provider's facilities. No other suitable and available collocation site was found to be located in the vicinity of the site. Information regarding the Applicants' efforts to achieve collocation in the vicinity are presented as **Exhibit E**.

9. The Applicants have conducted a preliminary aeronautical evaluation for the proposed WCF. The evaluation determined that the proposed structure height at this site

meets Federal Aviation Administration ("FAA") Regulation requirements. Furthermore, FAA notice is required for the proposed construction, and lighting or marking requirements may be applicable to this facility. A copy of the FAA Application is attached as **Exhibit F**. Upon receiving authorization from the FAA, the Applicants will forward a copy of the determination as a supplement to this Application proceeding.

10. A copy of the Kentucky Airport Zoning Commission ("KAZC") Application for the proposed WCF is attached as **Exhibit G**. Upon receiving authorization from the KAZC, the Applicants will forward a copy of the determination as a supplement to this Application proceeding.

11. The WCF will be registered with the FCC pursuant to applicable federal requirements. Appropriate required FCC signage will be posted on the site upon receipt of the tower registration number.

12. A geotechnical-engineering firm has performed soil boring(s) and subsequent geotechnical-engineering studies at the WCF site under the supervision of a professional engineer registered in the Commonwealth of Kentucky who specializes in geotechnical engineering, including subsurface exploration. The geotechnical-engineering firm has performed many such studies for the communications industry. A copy of the geotechnical-engineering report and evaluation signed and sealed by a professional engineer registered in the Commonwealth of Kentucky who specializes in geotechnical engineering, including subsurface exploration, is attached as **Exhibit H**. The name and address of the geotechnical-engineering firm and the professional engineer registered in the Commonwealth of Kentucky who supervised the examination of this WCF site are

included in **Exhibit H**.

13. Clear directions to the proposed WCF site from the County seat are attached as **Exhibit I**. The name and address of the preparer of **Exhibit J** is included in **Exhibit J**.

14. Crown, pursuant to a written agreement, has acquired the right to use the WCF site and associated property rights. A copy of the abbreviated agreement recorded with the County Clerk is attached as **Exhibit J**. Also included as part of **Exhibit J** is the portion of the full agreement demonstrating that in the case of abandonment a method is provided to dismantle and remove the cellular antenna tower, including a timetable for removal.

15. Personnel directly responsible for the design and construction of the proposed WCF are well-qualified and experienced. Pirod ("the Tower Manufacturer") performed the tower and foundation design. The Tower Manufacturer is a nationally recognized manufacturer and designer of communications towers. The Tower Manufacturer has designed and installed communications towers throughout North America. The Tower Manufacturer has assigned John R. Erichsen, a professional engineer registered in the Commonwealth of Kentucky to design the WCF. This engineer specializes in the design and engineering of guyed, self-support and monopole structures, and has extensive experience in the design and construction of projects similar to the Applicants'. These projects include the design of towers and the required foundations of many other wireless facilities. All of the designs have been signed and sealed by John R. Erichsen. The construction of the proposed WCF will be performed by Crown Network Systems, an experienced, bonded, and insured erection company. The Tower Erection

Manager, Harold Harrington, will manage the tower erection. Harold Harrington is a tower installation manager for Crown and has been erecting towers for the telecommunications industry for over 8 years. All tower designs will meet or exceed applicable laws and regulations.

16. Based on a review of Federal Emergency Management Agency Flood Insurance Rate Maps, the registered land surveyor has noted in **Exhibit B** that the proposed WCF is not located within any flood hazard area.

17. The possibility of high winds has been considered in the design of this tower. The tower has been designed and engineered by professional engineers using computer assistance and the same accepted codes and standards as are typically used for high-rise building construction. The tower has been designed to withstand a wind loading of 70 m.p.h., using the Uniform Building Code of 1991 ("UBC-91") and further modified by the 1993 Administrative Code. This tower has been designed in accordance with the Electronic Industries Association ("EIA") 222-F Standards, which have been accepted and approved by ANSI and is a nationally recognized tower design standard. Similarly, the proposed WCF design has been developed with consideration of potential ground shaking based on a negligible seismic zone of 1. Seismic loading is regarded as secondary to the wind loading.

18. The site development plan signed and sealed by a professional engineer registered in Kentucky was prepared by Walter C. Martin, and was designed from a survey performed by Frank Sellinger. This site development plan is drawn to a scale of no less than one (1) inch equals 200 feet, and identifies every owner of real estate within 500 feet

of the proposed tower (according to the Property Valuation Administrator) and is incorporated in the survey as part of **Exhibit B**. Every structure and every easement within 500 feet of the proposed tower or within 200 feet of the access road including intersection with the public street system is incorporated in the survey as part of **Exhibit B**.

19. Crown, on behalf of itself and the Provider, has notified every person who owns property within 500 feet of the proposed tower by certified mail, return receipt requested, of the proposed construction, along with the possibility of a temporary site being built while awaiting Commission approval. Each property owner has been given the docket number under which the proposed Application will be processed and has been informed of their right to request intervention. A list of the nearby property owners who received the notices, together with copies of the certified letters, are attached as **Exhibit K** and **Exhibit L**, respectively.

20. Crown, on behalf of itself and the Provider, has notified the Judge Executive of the county where the WCF is located by certified mail, return receipt requested, of the proposed construction. Crown included in said notice the Public Service Commission ("PSC") docket number under which the application will be processed and informed said entity of its right to request intervention. A copy of this notice is attached as **Exhibit M**. The county where the WCF is located has not registered for the right to regulate cell sites with the PSC, and has not adopted planning and zoning regulations in accordance with KRS Chapter 100.

21. Two appropriate notice signs measuring at least two (2) feet in height and

four (4) feet in width with all required language in letters of required height have been posted in a visible location on the proposed site and on the nearest public road and shall remain posted for at least two (2) weeks after filing of the Application. Copies of the postings are attached as **Exhibit N**. The location of the proposed facility has been published in a newspaper of general circulation in the county where the WCF is located.

22. There are no residences within a 500-foot radius of the centerline of the proposed tower location. The land surrounding the WCF site is presently vacant with the balance of the remaining land consisting of raw acreage.

23. The process that was used in selecting the site for the proposed WCF by the Applicants' radio frequency engineers was consistent with the process used for selecting generally all other existing and proposed WCF facilities within the proposed network design area. Before beginning the acquisition process, the Applicants carefully evaluated the location of the required WCF for possible collocation opportunities on existing structures. Radio frequency engineers used computer programs to evaluate the most effective coverage design for facilitating collocation potential on the proposed tower. Crown and the Provider's radio frequency engineers have combined their efforts in order to develop a highly efficient network that is designed to serve the FCC licensed territory without extending beyond the Provider's approved boundary. The engineers selected the optimum vicinity in terms of elevation and location to provide the best quality service to customers in the service area. A proposed coverage area was considered by the Applicants when searching for sites that would provide both (i) the coverage deemed necessary by the Provider, and (ii) the coverage deemed necessary by Crown to permit

the integration of the proposed WCF into Crown's overall network design. No suitable towers or existing structures were found in the immediate area which would meet the technical requirements for this element of the telecommunications network. A map of the area in which the tower is proposed to be located which is drawn to scale and clearly depicts the necessary search area within which the site should, pursuant to radio frequency requirements, be located is attached as **Exhibit O**.

24. A grid map showing the location of all existing cellular antenna towers that includes the general position of proposed construction sites for new cellular antenna towers within the planning commission's jurisdiction and one-half mile outside the boundary of the planning unit's jurisdiction if that area contains either existing or proposed construction sites for cellular antenna towers is attached as **Exhibit P**.

25. All Exhibits to this Application are hereby incorporated by reference as if fully set out as part of the Application.

26. All responses and requests associated with this Application may be directed

to:

Lloyd D. McCarthy
Crown Communication Inc.
Commonwealth Business Center
11001 Bluegrass Parkway, Suite 330
Louisville, Kentucky 40299
Telephone: (502) 240-0044

and

David A. Pike
Pike Legal Group
200 S. Buckman Street
P. O. Box 369
Shepherdsville, Kentucky 40165-0369
(502) 955-4400

and

Mark W. Dobbins
Tilford, Dobbins, Alexander, Buckaway, & Black
Suite 1400
One Riverfront Plaza
Louisville, Kentucky 40202
(502) 584-6137

WHEREFORE, the Applicants respectfully request that the Commission accept the foregoing Application for filing, and having met the requirements of KRS 278.020 and all applicable rules and regulations of the Commission, grant a Certificate of Public Convenience and Necessity to construct and operate the WCF at the location set forth herein for the respective networks in the Commonwealth of Kentucky.

Respectfully submitted,



David A. Pike
Pike Legal Group
200 S. Buckman Street
P. O. Box 369
Shepherdsville, Kentucky 40165-0369
(502) 955-4400
ATTORNEY FOR CROWN COMMUNICATION, INC.

and



Mark W. Dobbins
Tilford, Dobbins, Alexander, Buckaway, & Black
Suite 1400
One Riverfront Plaza
Louisville, Kentucky 40202
(502) 584-6137
ATTORNEY FOR TRITEL COMMUNICATIONS, INC.
AND TRITEL FINANCE, INC.

LIST OF EXHIBITS

- A - Copy of Articles of Incorporation, Certificate of Authority and FCC License
- B - Site Development Plan:
 - Vicinity Map
 - Property Owner Listing
 - 500' Vicinity Map
 - Legal Descriptions
 - Flood Plain Certification
 - Site Plan
 - Vertical Tower Profile
- C - Tower and Foundation Design
- D - Competing utilities, corporations, or persons list
- E - Collocation report
- F - Application to FAA
- G - Application to Kentucky Airport Zoning Commission
- H - Geotechnical Report
- I - Directions to WCF Site
- J - Copy of Real Estate Agreement
- K - Notification Listing
- L - Copy of Property Owner Notification
- M - Copy of Judge Executive Notice
- N - Copy of Posting Notices
- O - Copy of Radio Frequency Design Search Area
- P - Tower Map for Subject County

State of Delaware
Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "TRITEL FINANCE, INC." IS DULY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL CORPORATE EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE TWENTY-FIRST DAY OF AUGUST, A.D. 1998.

AND I DO HEREBY FURTHER CERTIFY THAT THE FRANCHISE TAXES HAVE NOT BEEN ASSESSED TO DATE.

END OF DOCUMENT

2901520 8300

981328729



A handwritten signature in cursive script, reading "Edward J. Freel".

Edward J. Freel, Secretary of State

AUTHENTICATION:

DATE:

9265495

08-21-98

FEB 18 1999 10:10:55AM LUKAS N GUTIERREZ SACHS -> BILLY

NO. 439 NO. E. 7/8/2007/2008

WFO1255

5045BCWAL98

01/27/1998



Federal Communications Commission

Wireless Telecommunications Bureau

Radio Station Authorization

| | | |
|--------------------|--------------------------|------------------------|
| Call Sign: WFO1255 | File Number: 5045BCWAL98 | Print Date: 01/27/1998 |
|--------------------|--------------------------|------------------------|

Name of Licensee:

Global PCS, Inc.
1410 Livingston Lane

Jackson MS 39213-8003

| | | |
|--------------------------|---------------------|-----------------------------|
| Market Number: MTA025 | Channel Block: A | Sub-Market Designator: 2 |
|--------------------------|---------------------|-----------------------------|

Market Name: Louisville-Lexington-Evansevil

The license hereof is authorized, for the period indicated, to operate a radio transmitting station in accordance with the terms and conditions hereinafter described. This authorization is subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts of Congress, international treaties and agreements to which the United States is a signatory, and all pertinent rules and regulations of the Federal Communications Commission, contained in Title 47 of the Code of Federal Regulations.

| Effective Date | 1st Build-out Date | 2nd Build-out Date | 3rd Build-out Date | 4th Build-out Date | Expiration Date |
|----------------|--------------------|--------------------|--------------------|--------------------|-----------------|
| 01/08/1998 | 08/23/2000 | 08/23/2005 | | | 08/23/2005 |

Conditions:

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, (47 U.S.C. 309(h)), this license is subject to the following conditions: This license does not vest in the licensee any right to operate a station nor any right in the use of frequencies beyond the term thereof nor in any other manner than authorized herein. Neither this license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended, 47 U.S.C. 151, et seq. This license is subject in terms to the right of use or control conferred by Section 708 of the Communications Act of 1934, as amended, 47 U.S.C. 606.

Special Conditions:

This authorization is subject to the condition that the remaining balance of the winning bid amount will be paid in accordance with Part 1 of the Commission's rules, 47 C.F.R. Part 1.

This authorization is subject to the condition that, in the event that systems using the same frequencies as granted herein are authorized in an adjacent foreign territory (Canada/United States), future coordination of any base station transmitters within 72 km (45 miles) of the United States/Canada border shall be required to eliminate any harmful interference to operations in the adjacent foreign territory and to ensure continuance of equal access to the frequencies by both countries.

A graphical representation of the geographic area authorized to this call sign may be generated by selecting 'License Search' at the following web address: <http://wfbwww05.fcc.gov>

EXHIBIT A
COPY OF ARTICLES OF INCORPORATION, CERTIFICATE OF
AUTHORITY AND FCC LICENSE



OFFICE OF THE SECRETARY OF STATE

**FOREIGN CORPORATION
CERTIFICATE OF AUTHORIZATION**

I, JOHN Y. BROWN III, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State, CROWN COMMUNICATION INC. is a corporation organized and existing under the laws of the state or country of DELAWARE; that was first authorized to transact business in the Commonwealth of Kentucky on AUGUST 12, 1997.

I further certify that all fees and penalties owed to the Secretary of State have been paid to date; that an Application for Certificate of Withdrawal has not been filed; and that the most recent annual report required by KRS Chapter 271B.16-220 or 273.3671 has been delivered to the Secretary of State on behalf of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal, at Frankfort, Kentucky, this 4TH day of DECEMBER, 19 97.


JOHN Y. BROWN III
Secretary of State
Commonwealth of Kentucky



JOHN Y. BROWN III
SECRETARY OF STATE

CERTIFICATE

I, JOHN Y. BROWN III, Secretary of State for the Commonwealth of Kentucky, do certify that the foregoing writing has been carefully compared by me with the original record thereof, now in my official custody as Secretary of State and remaining on file in my office, and found to be a true and correct copy of CERTIFICATE OF AUTHORITY OF CROWN COMMUNICATION INC. FILED AUGUST 12, 1997.

IN WITNESS WHEREOF, I have hereunto
set my hand and affixed my official seal.

Done at Frankfort this 4TH day of

DECEMBER, 19 97

John Y. Brown III
Secretary of State, Commonwealth of Kentucky

EXHIBIT B

SITE DEVELOPMENT PLAN:

VICINITY MAP

PROPERTY OWNER LISTING

500' VICINITY MAP

LEGAL DESCRIPTIONS

FLOOD PLAIN CERTIFICATION

SITE PLAN

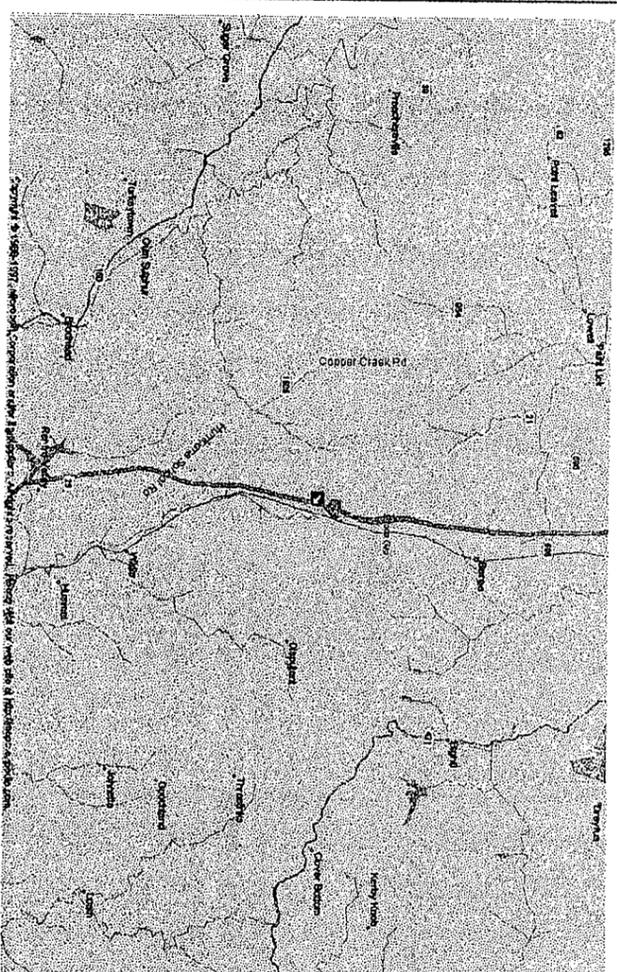
VERTICAL TOWER PROFILE



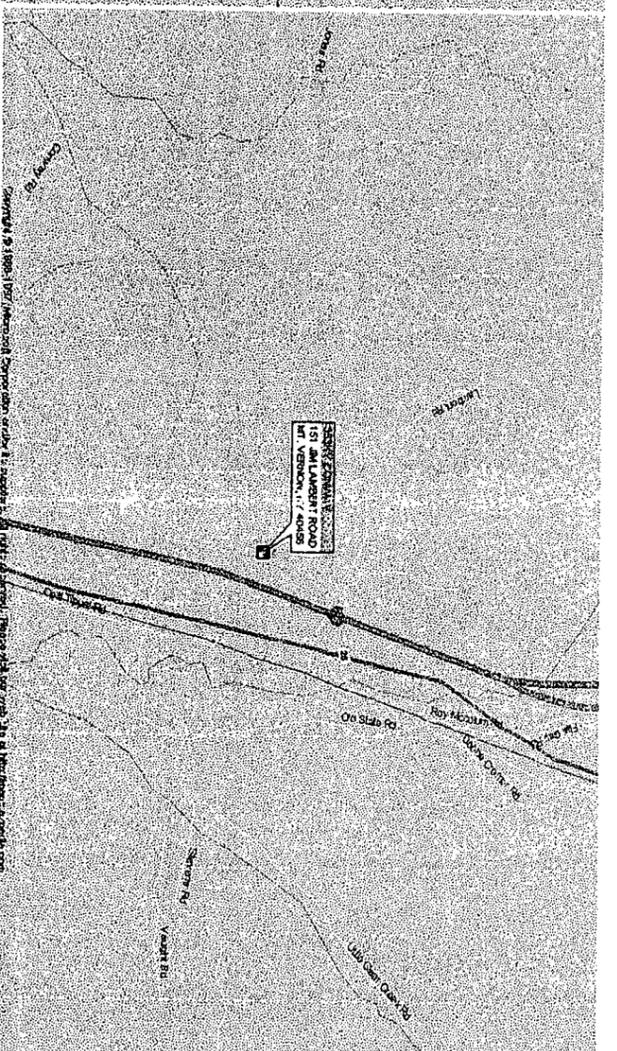
11001 BLUEGRASS PARKWAY
 SUITE # 330
 LOUISVILLE, KY 40299
 (502) 240 0044
 (502) 240-0045 FAX

ECHO 353KY CONWAY

350' LATTICE & GUYED
 TELECOMMUNICATION TOWER
 WITH MULTIPLE CARRIERS



REGIONAL MAP



VICINITY MAP

SCALE: NTS

ARCHITECTURAL DESIGN
 ENGINEERING & SURVEYING



DIRECTIONS TO SITE
 FROM LOUISVILLE, KY: I-64 EAST TO LEXINGTON, THEN I-75 SOUTH TO EXIT 76 - BEREA. TURN LEFT AND TRAVEL EAST ON HIGHWAY 21 FOR 0.5 MILES TO THE LIGHT AT THE TOP OF THE HILL. TURN RIGHT AND PROCEED SOUTH ON US 25 APPROXIMATELY 3.7 MILES AND TURN RIGHT (WEST) ON JIM LAMBERT ROAD WHICH PASSES UNDER I-75. TURN LEFT (SOUTH) ONTO THE FIRST GRAVEL DRIVE UNDER THE UNDERPASS AND THE SITE IS LOCATED ON TOP OF THE FIRST HILL SOUTH EAST OF THE TRAILER AT THE END OF THE GRAVEL DRIVE.

| | |
|-------------------------|--|
| SITE NAME | CROWN COMMUNICATION INC. |
| SITE NUMBER | ECHO 353KY |
| SITE ADDRESS | 151 JIM LAMBERT ROAD MT. VERNON, KY 40456 |
| SITE OWNER | WREN, BOB & CLAUDIA RT. 3 BOX 389 MT. VERNON, KY 40456 |
| APPLICANT | CROWN COMMUNICATION INC. 11001 BLUEGRASS PKWAY STE. 330 LOUISVILLE, KY 40299 |
| ZONING | UNCLASSIFIED |
| AREA OF PARCEL | 75± ACRES (PER DEED) |
| PARCEL NUMBER(S) | MAP 41, LOT 31 A |

| | | | |
|----------------------|------------|-------------------------------|------------------------------------|
| SHEET NUMBER: | T-1 | DESCRIPTION: | TITLE SHEET GENERAL INFORMATION |
| SURVEY | C-1 C-2 | SURVEY PLAN | 500' RADUS SITE SURVEY PLAN |
| ARCHITECTURAL | A-2 A-3 | SITE LAYOUT ELEVATIONS | |
| ELECTRICAL | | | |

SHEET INDEX



Case No. _____
 PROFFERED INSTRUMENT
 THE INFORMATION CONTAINED IN THIS SET OF INSTRUMENTS IS THE PROPERTY OF T. ALAN NEAL COMPANY AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF T. ALAN NEAL COMPANY.



REVIEWED BY: JT & LUP

| | |
|-----|---------------------|
| NO. | REVISION/ISSUE DATE |
| 1 | ZONING DOC. 3.31.99 |

PROJECT NUMBER: ECHO 353KY
 PROJECT NAME: CONWAY

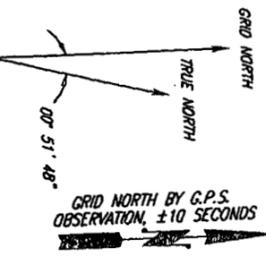
PROJECT ADDRESS: 151 JIM LAMBERT ROAD
 MT. VERNON, KY 40456

TITLE SHEET
 SITE INFO

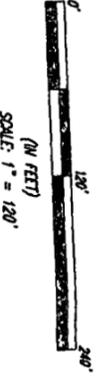
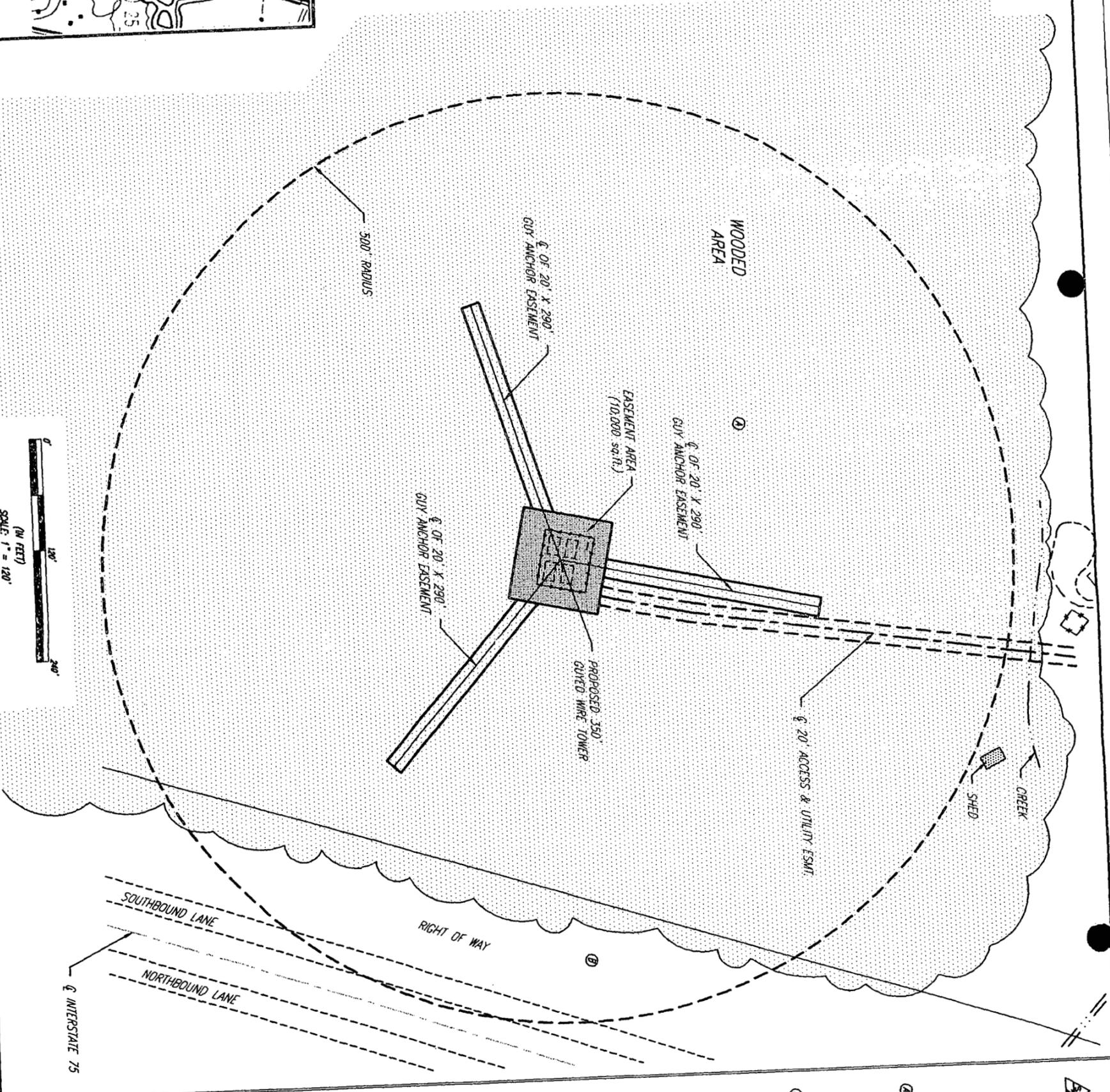
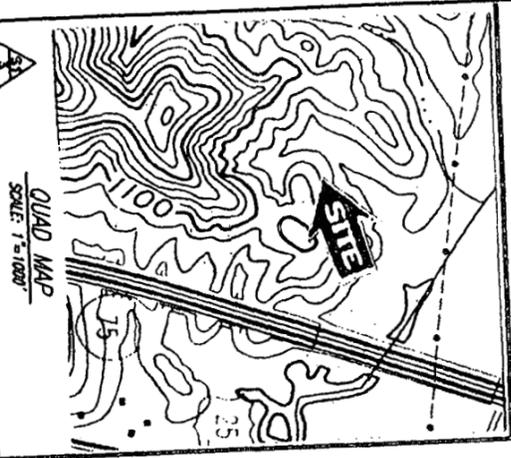
SHEET: T1

SHEET 1

-  - VICINITY AND 500' STRUCTURAL MAP
 -  - ABUTTING PROPERTY OWNERS
 -  - U.S.G.S. QUAD MAP
- SHEET 2
-  - EASEMENT AREA
 -  - LEGAL DESCRIPTIONS
 -  - FLOOD ZONE DATA



NORTH IS BASED ON THE KENTUCKY STATE PLANE COORDINATE SYSTEM. SOUTH ZONE AND WAS DETERMINED BY COMPUTATION FROM G.P.S. OBSERVATION ON MARCH 10, 1999.



MAP 41, LOT 31A
WREN, BOYD & CLAUDIA
P.L. 3 BOX 389
MT. VERNON, KY 40456
DEED BOOK 79, PAGE 13
NO ZONING

MAP 41, 1-75
COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
FRANKFORT, KY 40622
DEED NOT FOUND
NO ZONING

375 SOUTHPOINTE BLVD.
CANNONSBURG, KY 40317
OFFICE: (724) 418-2247
FAX: (724) 418-2254



T. Alan Neal Company



Old Engineering
248 Warren Street
Louisville, Kentucky 40217

ECHO NUMBER: 3537Y

SITE NAME: CONWAY

SITE ADDRESS: 151 JIM LAMBERT RD.
MT. VERNON, KY 40456

AREA: EASEMENT AREA = 10,000 sq.ft.

PROPERTY OWNER: BOYD & CLAUDIA WREN
P.L. 3 BOX 389
MT. VERNON, KY 40456

TAX MAP NUMBER: 41

PARCEL NUMBER: 31A

SOURCE OF TITLE: DEED BOOK 79, PAGE 13

| | | |
|---------|----------|----------|
| DMG BR: | CHRD BR: | DATE: |
| LAP | FSI | 03.29.99 |

TAX PROJECT NO.: T-2469

SHEET 1 OF 2

REVISIONS:

C1

-  - VICINITY AND 500' STRUCTURAL MAP
 -  - ABUTTING PROPERTY OWNERS
 -  - U.S.G.S. QUAD MAP
- SHEET 2
-  - EASEMENT AREA
 -  - LEGAL DESCRIPTIONS
 -  - FLOOD ZONE DATA

SURVEYORS NOTES

SOURCE OF BEARING S.A.S. OBSERVATION ON MARCH 10, 1999.

SOURCE OF POSITION BASED ON THE CENTERLINE OF INTERSECTION 23, HAVING THE BEARING OF N 0° 18' 44.5" E PER HIGHWAY PLANS, SHEET 28 OF 333. DISTANCES SHOWN TO PROPOSED AND EXISTING STRUCTURES ARE MEASURED FROM PROPOSED FENCE LINES. PROPOSED AND EXISTING STRUCTURES WITHIN THE EASEMENT AREA ARE PARALLEL TO THE NORTH PROPOSED FENCE LINE. NO INSTRUMENTS OF RECORD REFLECTING EXISTING AND RIGHT OF WAYS WERE FURNISHED TO THE SURVEYOR EXCEPT AS SHOWN. NO SEARCH OF PUBLIC RECORDS HAS BEEN PERFORMED BY THIS FIRM TO DETERMINE ANY INTERESTS AND/OR ENCUMBRANCES IN THE TITLE OF THE PARCEL TACT.

EXISTING CONDITIONS ARE AT ONE FOOT INTERVALS. ROCKCASTLE COUNTY HAS NO ZONING.

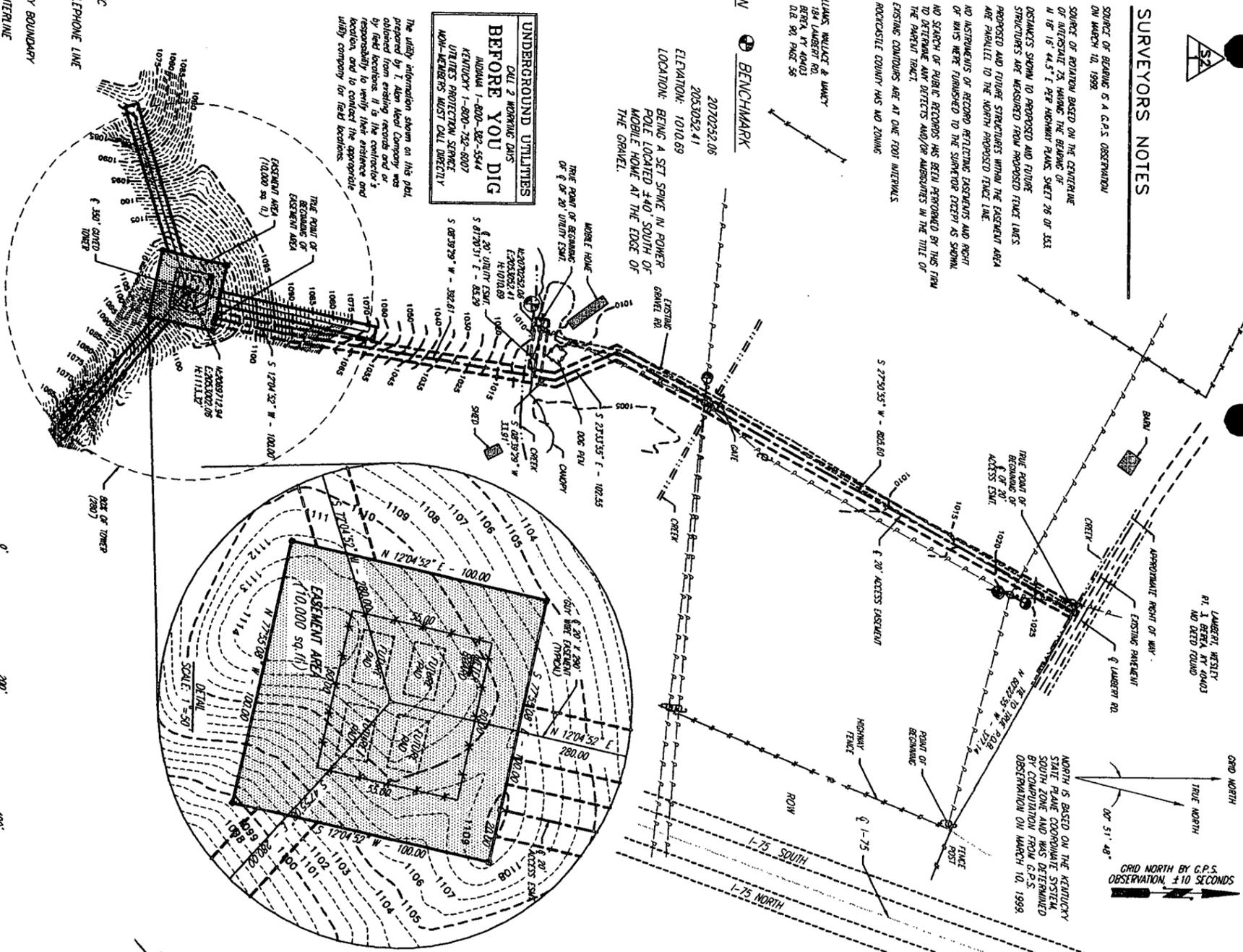
COORDINATE POINT LOCATION

MAD 1983
 LATITUDE: 37° 30' 13.98"
 LONGITUDE: 84° 19' 39.51"
 MAD 1988
 ELEVATION: 1113.32'
 STATE PLANE COORDINATE
 NORTHING: 2069712.94
 EASTING: 2053002.06

UNDERGROUND UTILITIES BEFORE YOU DIG

CALL 2 WORKING DAYS BEFORE YOU DIG
 MODERN 1-800-362-5544
 KENTUCKY 1-800-722-8007
 UTILITIES PROTECTION SERVICE
 NON-MEMBERS MUST CALL DIRECTLY

The utility information shown on this plat prepared by T. Alon Neel Company was obtained from existing records and/or by field locations. It is the contractor's responsibility to verify their existence and location, and to contact the appropriate utility company for field locations.



LEGAL DESCRIPTIONS:

This is a description for Crown Communication Inc., of an area from the property of Boyd Wren, which is further described as follows:

EASEMENT AREA

Beginning at an existing fence post located at the northeastern corner of the property conveyed to Boyd Wren in Deed Book 79, Page 13, in the Office of the Clerk, of the County Court, of Rockcastle County, Kentucky; thence N. 60° 22' 55" W. - 377.14' to a set #5 rebar in the southern right-of-way of Lambert Road; thence S. 27° 50' 55" W. - 805.60' to a set PK nail; thence S. 23° 33' 55" E. - 102.55' to a set #5 rebar; thence S. 08° 39' 29" W. - 426.52' to a set #5 rebar; thence S. 12° 04' 52" W. - 100.00' to a set #5 rebar and the true point of beginning of the Easement Area; thence S. 77° 55' 08" E. - 20.00' to a set #5 rebar; thence S. 12° 04' 52" W. - 100.00' to a set #5 rebar; thence N. 77° 55' 08" W. - 100.00' to a set #5 rebar; thence N. 12° 04' 52" E. - 100.00' to a set #5 rebar; thence S. 77° 55' 08" E. - 80.00' to the point of beginning containing 10,000 sq. ft. as per survey by T. Alon Neel Company dated March 29, 1999.

CENTER LINE OF 20' ACCESS EASEMENT

Beginning at an existing fence post located at the northeastern corner of the property conveyed to Boyd Wren in Deed Book 79, Page 13, in the Office of the Clerk, of the County Court, of Rockcastle County, Kentucky; thence N. 60° 22' 55" W. - 377.14' to a set #5 rebar in the southern right-of-way of Lambert Road and the true point of beginning of the centerline of a 20' Access Easement; thence following said centerline S. 27° 50' 55" W. - 805.60' to a set PK nail; thence S. 23° 33' 55" E. - 102.55' to a set #5 rebar; thence S. 08° 39' 29" W. passing a set #5 rebar of 33.91', in all 426.52' to a set #5 rebar; thence S. 12° 04' 52" W. - 100.00' to a set #5 rebar in the northern line of the Easement Area and the end of said easement.

CENTER LINE OF 20' UTILITY EASEMENT

Beginning at an existing fence post located at the northeastern corner of the property conveyed to Boyd Wren in Deed Book 79, Page 13, in the Office of the Clerk, of the County Court, of Rockcastle County, Kentucky; thence N. 60° 22' 55" W. - 377.14' to a set #5 rebar in the southern right-of-way of Lambert Road; thence S. 27° 50' 55" W. - 805.60' to a point; thence S. 23° 33' 55" E. - 102.55' to a point; thence S. 08° 39' 29" W. - 33.91' to a set #5 rebar; thence N. 81° 20' 31" W. - 85.29' to a set #5 rebar and the true point of beginning of a 20' Utility Easement; thence following said centerline S. 81° 20' 31" E. - 85.29' to a set #5 rebar; thence S. 08° 39' 29" W. - 392.61' to a set #5 rebar; thence S. 12° 04' 52" W. - 100.00' to a set #5 rebar in the northern line of the Easement Area and the end of said easement.

LAND SURVEYOR'S CERTIFICATE

TO ALL PARTIES INTERESTED IN TITLE TO PREMISES SURVEYED I hereby certify that this plat and survey were made under my supervision, and that the angular and linear measurements, as witnessed by monuments shown hereon, are true and correct to the best of my knowledge and belief. This survey and plat meets or exceeds the minimum standards of the governing authorities. This property is subject to any recorded easements or right of ways not shown hereon.

STATE OF KENTUCKY
FRANK L. SELLINGER
 3282
REGISTERED
LAND SURVEYOR

Frank L. Sellinger, Ky. Reg. No. 10-20-99

"CELLULAR COMMUNICATION TOWER SITE SURVEY"
 REFERENCED AS "EXHIBIT B"

OWNER APPROVAL: _____ DATE: _____
 CROWN APPROVAL: _____ DATE: _____

ROCKCASTLE COUNTY HAS NO FLOOD MAPS.

CROWN
 COMMUNICATION INC

375 SOUTHPOINTE BLVD.
 CANTONSBURG,
 PENNSYLVANIA 15317
 OFFICE: (724) 416-2247
 FAX: (724) 416-2234

T. Alon Neel Company

TAC

(502) 635-5866
 FAX: 636-5263

Land Surveying
 428 W. Main Street
 Louisville, Kentucky 40211

ECHO NUMBER: 353KY

SITE NAME: CONWAY

SITE ADDRESS: 151 JIM LAMBERT RD.
 MT. VERNON, KY 40456

AREA: EASEMENT AREA = 10,000 sq.ft.

PROPERTY OWNER: BOYD & CLAUDIA WREN
 RT. 3 BOX 389
 MT. VERNON, KY 40456

TAX MAP NUMBER: 41

PARCEL NUMBER: 31A

SOURCE OF TITLE: DEED BOOK 79, PAGE 13

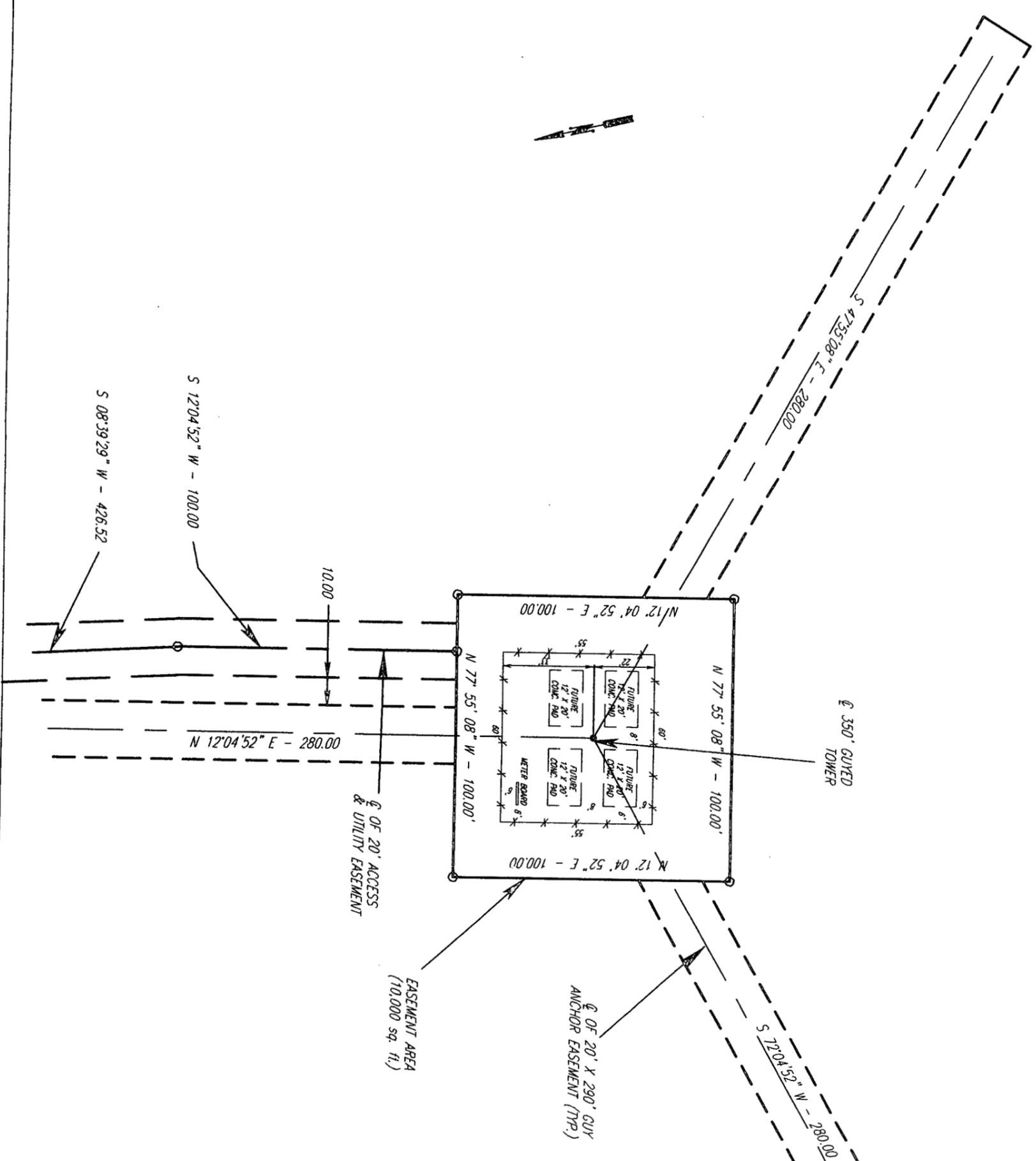
DWG BY: CHAD BY DATE: LAP FSI 03.29.99

TAX PROJECT NO.: T-2469

SHEET 2 OF 2

REVISIONS:

C2



- NOTE:
- 1 FOR ADDITIONAL SITE INFO, SEE A1 (IF PROVIDED)
 - 2 REMOVE ALL VEGETATION & CLEAN AREA W/ LEASE AREA (WHERE REQ'D)
 - 3 FINISH GRADING TO PROVIDE EFFECTIVE DRAINAGE W/ A SLOPE OF NO LESS THAN ONE EIGHT (1/8") PER FOOT FLOWING AWAY FROM EQUIP FOR A MIN. DISTANCE OF SIX FEET (6') IN ALL DIRECTIONS
 - 4 LOCATE ALL U.G. UTILITIES PRIOR TO STARTING ANY CONSTRUCTION
 - 5 FENCED COMPOUND FINISHED SURFACE SEE DETAIL 2/45 (IF PROVIDED)



All drawings and written information contained herein are the property of T.M. Neel & Associates, Inc. and shall remain the property of T.M. Neel & Associates, Inc. No part of this drawing shall be reproduced or transmitted in any form or by any means electronic, mechanical, photocopying, recording, or by any information storage and retrieval system without the prior written consent of T.M. Neel & Associates, Inc.

T. Alan Neel Company



PROFESSIONAL INFORMATION
THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS THE PROPERTY OF T.M. NEEL & ASSOCIATES, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC, MECHANICAL, PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM WITHOUT THE PRIOR WRITTEN CONSENT OF T.M. NEEL & ASSOCIATES, INC. STRICTLY PROHIBITED.



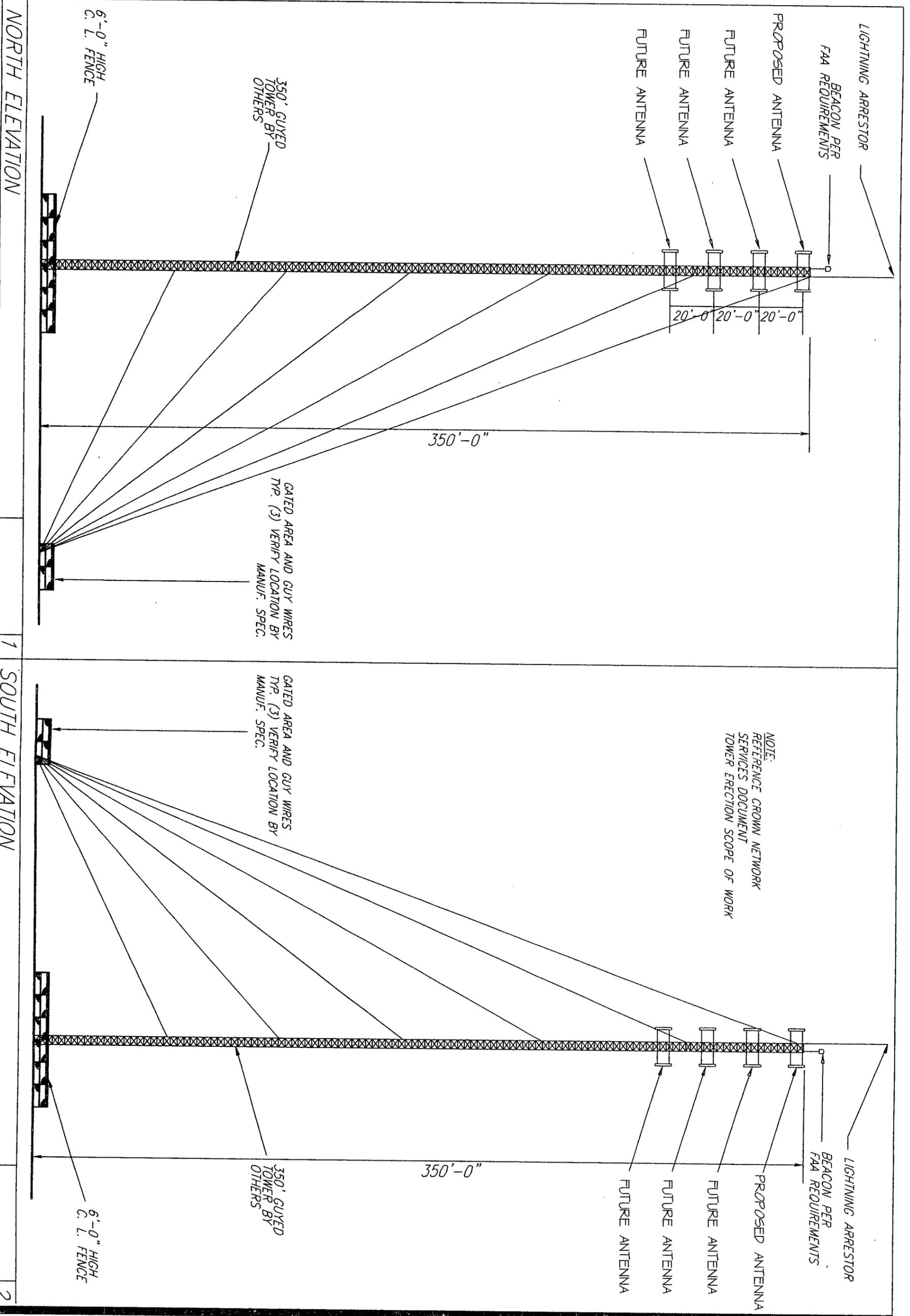
REVIEWED BY: JT & LAP

| NO. | REVISION/ISSUE | DATE |
|-----|----------------|---------|
| 1 | ZONING DOC. | 1.31.99 |

PROJECT NUMBER
ECHO 353XY
PROJECT NAME
CONWAY

PROJECT ADDRESS
151 JIM LAMBERT ROAD
MT. VERNON, KY 40456
TITLE

SITE LAYOUT
SHEET



NOTE:
 REFERENCE CROWN NETWORK
 SERVICES DOCUMENT
 TOWER ERECTION SCOPE OF WORK

GATED AREA AND GUY WIRES
 TYP. (3) VERIFY LOCATION BY
 MANUF. SPEC.

GATED AREA AND GUY WIRES
 TYP. (3) VERIFY LOCATION BY
 MANUF. SPEC.

350' GUYED
 TOWER BY
 OTHERS

6'-0" HIGH
 C. L. FENCE

LIGHTNING ARRESTOR
 BEACON PER
 FAA REQUIREMENTS

PROPOSED ANTENNA
 FUTURE ANTENNA
 FUTURE ANTENNA
 FUTURE ANTENNA



FOR INFORMATION AND THE INTEREST OF THE PUBLIC, THE STATE OF KENTUCKY HAS DETERMINED THAT THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OF THIS INFORMATION FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF T. ALAN NEEL IS STRICTLY PROHIBITED.



Case Engineering
 428 Service Street, Louisville, Kentucky 40217
 Land Surveying

PROPRIETARY INFORMATION
 THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OF THIS INFORMATION FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF T. ALAN NEEL IS STRICTLY PROHIBITED.



DRAWN BY: TSN
 REVIEWED BY: JT & LAP

| NO. | REVISION/ISSUE | DATE |
|-----|----------------|---------|
| 1 | ZONING DOC. | 3.31.99 |

PROJECT NUMBER
 ECHO 353XV
 PROJECT NAME
 CONWAY

PROJECT ADDRESS
 151 JIM LAMBERT ROAD
 MT. VERNON, KY 40456

TITLE
 NORTH AND
 SOUTH
 ELEVATIONS
 SHEET

EXHIBIT C
TOWER AND FOUNDATION DESIGN

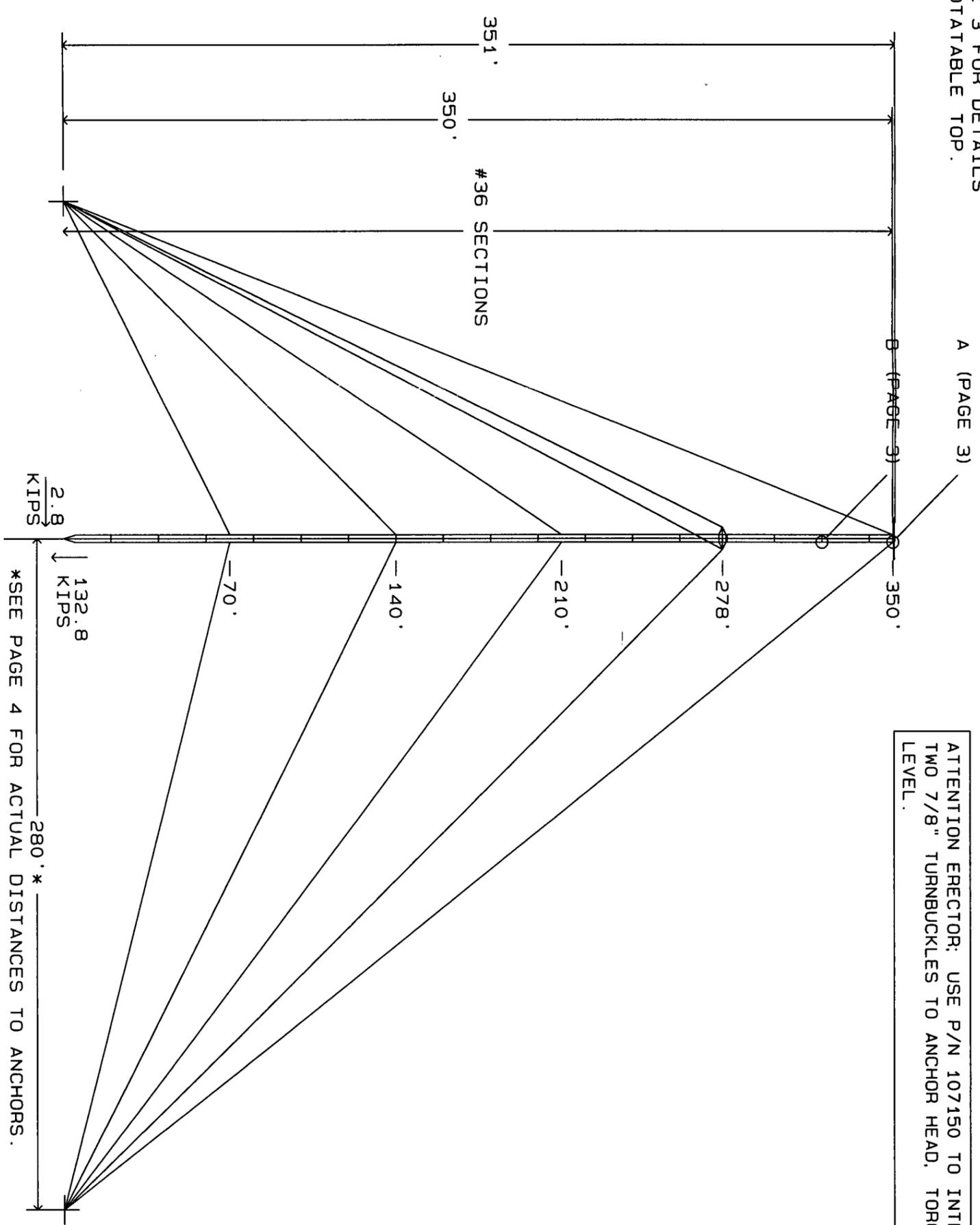
| | | |
|------------------------------------|-----------------------------------|---|
| From: 86197.DFT - 08/30/1999 17:54 | | Printed from: 205321A.DWG - 08/30/1999 18:01 @ 08/31/1999 09:58 |
| REV | DESCRIPTION OF REVISIONS | DATE |
| A | ADDED FOUNDATIONS PER SOIL REPORT | JRE 08/30/1999 |

| | | |
|--------------------------|---------------------|------------|
| ENG. FILE NO. A-9908298A | ARCHIVE | Q-86197 |
| DRAWN BY | TRP | |
| APPROVED/ENG. JRE | APPROVED/FOUND. N/A | 08/30/1999 |

DRAWING NO. 205321-B
 PAGE 1 OF 10
 1545 Picco Dr.
 Plymouth, IN 46563-0128
 219-936-4221
PICCO INC.

CROWN COMMUNICATIONS
 CONWAY ECHO KY353, KY
 # 36 X 351' GUYED TOWER

SHOP WELD TOP PLATE P/N
 120608 AT TOP OF TOP SECTION.
 SEE PAGE 3 FOR DETAILS
 OF ROTATABLE TOP.

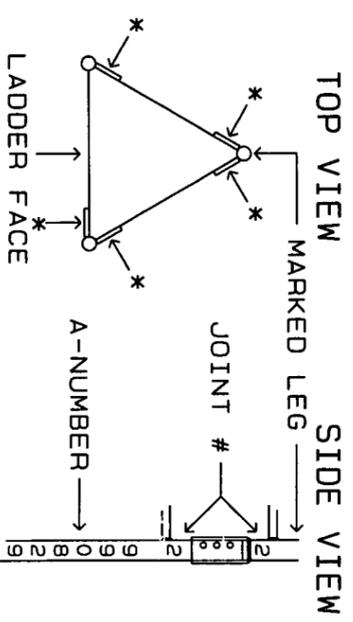


TOWER ELEVATION



ATTENTION ERECTOR: USE P/N 107150 TO INTERFACE
 TWO 7/8" TURNBUCKLES TO ANCHOR HEAD, TORQUE ARM
 LEVEL.

| SECTION DATA | | | | | | LEG CONNECTION | | |
|--------------|------|-----|----------|--------|--------|----------------|----------|------------|
| SPAN HEIGHT | SEC# | LEN | LEGS | BRACES | PART# | BOLT DIAM | BOLT LEN | BOLTS /SEC |
| 340' - 350' | 36 | 10' | 1 - 1/2" | 5/8" | 108369 | | | |
| 300' - 340' | 36 | 20' | 1 - 1/2" | 5/8" | 108369 | 9/16" | 3-1/2" | 9 |
| 260' - 300' | 36 | 20' | 1 - 3/4" | 3/4" | 104497 | 5/8" | 4" | 12 |
| 20' - 260' | 36 | 20' | 1 - 3/4" | 5/8" | 104800 | 5/8" | 4" | 12 |
| 0' - 20' | 36 | 20' | 1 - 3/4" | | 133221 | 5/8" | 4" | 12 |



THE MARKED LEG OF EACH SECTION IS STAMPED WITH THE TOWER SERIAL # AT THE TOP OF EACH SECTION AND THE JOINT # AT EACH END OF THE SECTION. JOINTS ARE NUMBERED CONSECUTIVELY STARTING WITH 1 AT THE TOP OF THE BASE SECTION. ASSEMBLE TOWER WITH MARKED LEGS TOGETHER IN PROPER SEQUENCE.

* INDICATES RELATIVE POSITION OF LINE HANGING BRACKETS P/N 131773 AT NOMINAL 3' VERTICAL SPACING.



CROWN COMMUNICATIONS
CONWAY ECHO KY353, KY
36 X 351' GUYED TOWER



1545 Pidco Dr.
Plymouth, IN 46563-0128
219-936-4221

ENG. FILE NO. A-9908298A
ARCHIVE 0-86197

| | | |
|-----------------|-----|------------|
| APPROVED/ENG. | JRE | 08/30/1999 |
| APPROVED/FOUND. | N/A | |
| DRAWN BY | TAP | |

| | | | |
|-----|-----------------------------------|-----|------------|
| A | ADDED FOUNDATIONS PER SOIL REPORT | JRE | 08/30/1999 |
| REV | DESCRIPTION OF REVISIONS | INI | |

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DRAWING NO. 205321-B
PAGE 2 OF 10

GUY HARDWARE DETAIL

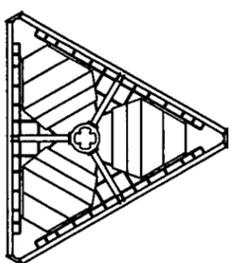
| HT. | GUY SIZE | TORQ SIZE | LUG PART# | SHCKL SIZE | THMBLE SIZE | TURN-BCKLE | PREFORM | INITIAL TENSION ** | | | | | |
|------|------------|-----------|-----------|------------|-------------|------------|---------|--------------------|-------|--------|--------|--------|---------|
| | | | | | | | | @ -30°F | @ 0°F | @ 30°F | @ 60°F | @ 90°F | @ 120°F |
| 350' | 9/16" EHS. | | 105062 | 3/4" | 5/8" | 7/8" | BG-2116 | 4151# | 3930# | 3715# | 3500# | 3288# | 3091# |
| 278' | 9/16" EHS. | 12' | 105062 | 3/4" | 5/8" | 7/8" | BG-2116 | 4345# | 4065# | 3766# | 3500# | 3235# | 2987# |
| 210' | 1/2" EHS. | | 105062 | 5/8" | 5/8" | 7/8" | BG-2115 | 3225# | 2934# | 2679# | 2421# | 2194# | 1983# |
| 140' | 1/2" EHS. | | 105062 | 5/8" | 5/8" | 7/8" | BG-2115 | 3767# | 3390# | 3032# | 2690# | 2378# | 2093# |
| 70' | 1/2" EHS. | | 105062 | 5/8" | 5/8" | 7/8" | BG-2115 | 4036# | 3575# | 3108# | 2690# | 2298# | 1966# |

** TENSIONS SHOWN ARE FOR GUY LINE (A). INTERPOLATION IS PERMITTED FOR OTHER TEMPERATURES.
TOLERANCE IS +/- 10% OF INITIAL TENSION SHOWN.

GUY LENGTH DATA

| HT. | GUY SIZE | # GUYS | THEORETICAL LENGTH *** | | | |
|------|------------|--------|------------------------|---------------|-----------|-------|
| | | | (A) SOUTHEAST | (B) SOUTHWEST | (C) NORTH | NORTH |
| 350' | 9/16" EHS. | 3 | 490.7' | 482.5' | 486.6' | |
| 278' | 9/16" EHS. | 6 | 433.5' | 426.0' | 429.7' | |
| 210' | 1/2" EHS. | 3 | 384.1' | 377.4' | 380.7' | |
| 140' | 1/2" EHS. | 3 | 340.1' | 334.5' | 337.3' | |
| 70' | 1/2" EHS. | 3 | 305.8' | 301.9' | 303.8' | |

*** THEORETICAL LENGTH SHOWN IS NOT THE CUT LENGTH.
ADD 5% TO 10% TO VALUE LISTED TO ARRIVE AT CUT LENGTH.
QUANTITY OF CABLE SHIPPED IS THEORETICAL LENGTH +10%.

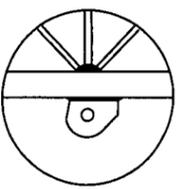


TOP VIEW

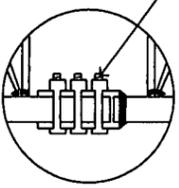


SIDE VIEW

ROTATABLE TOP
(REF ASSEMBLY
DWG # 130555)



VIEW A
TYPICAL GUY
CONNECTION LUG



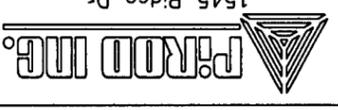
VIEW B
TYPICAL LEG
CONNECTION

A-325 BOLTS
SEE LEG CONNECT
TABLE FOR SIZE



AUG 11 1999

CROWN COMMUNICATIONS
CONWAY ECHO KY353, KY
36 X 351' GUYED TOWER



| | | |
|----------------|-----|------------|
| APPROVED/ENG. | JRE | 08/30/1999 |
| APPROVED/FOUND | N/A | |
| TRP | | |

| | | |
|-----|-----------------------------------|------------|
| REV | DESCRIPTION OF REVISIONS | DATE |
| A | ADDED FOUNDATIONS PER SOIL REPORT | 08/30/1999 |

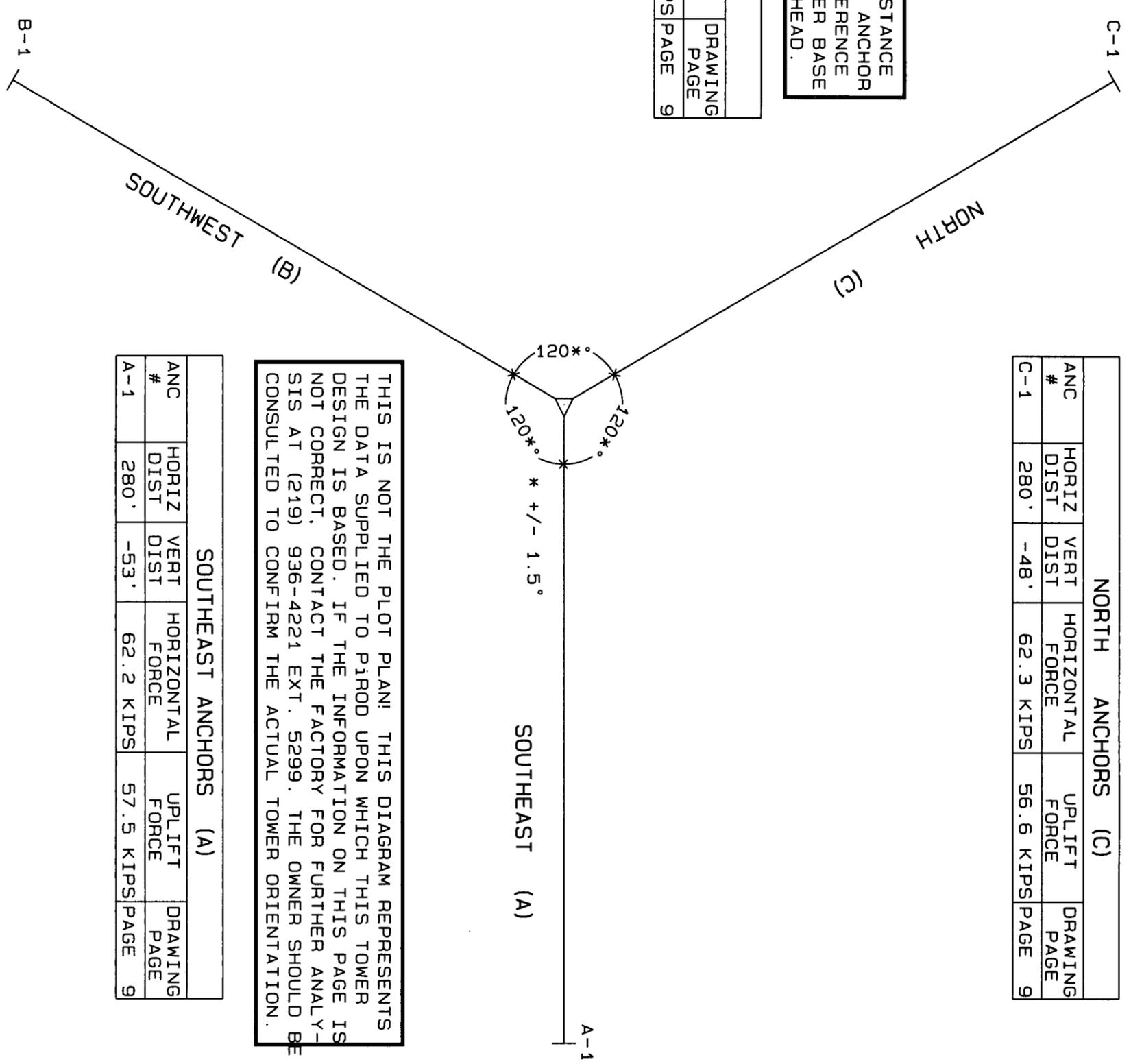
NOTE: THE HORIZONTAL DISTANCE IS THE DISTANCE MEASURED FROM THE TOWER BASE PIN TO THE ANCHOR HEAD. THE VERTICAL DISTANCE IS THE DIFFERENCE BETWEEN THE GROUND ELEVATION AT THE TOWER BASE AND THE GROUND ELEVATION AT THE ANCHOR HEAD.

| SOUTHWEST ANCHORS (B) | | | | | |
|-----------------------|------------|-----------|------------------|--------------|--------------|
| ANC # | HORIZ DIST | VERT DIST | HORIZONTAL FORCE | UPLIFT FORCE | DRAWING PAGE |
| B-1 | 280' | -43' | 62.3 KIPS | 55.6 KIPS | 9 |

| NORTH ANCHORS (C) | | | | | |
|-------------------|------------|-----------|------------------|--------------|--------------|
| ANC # | HORIZ DIST | VERT DIST | HORIZONTAL FORCE | UPLIFT FORCE | DRAWING PAGE |
| C-1 | 280' | -48' | 62.3 KIPS | 56.6 KIPS | 9 |

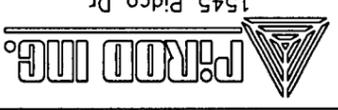
| SOUTHEAST ANCHORS (A) | | | | | |
|-----------------------|------------|-----------|------------------|--------------|--------------|
| ANC # | HORIZ DIST | VERT DIST | HORIZONTAL FORCE | UPLIFT FORCE | DRAWING PAGE |
| A-1 | 280' | -53' | 62.2 KIPS | 57.5 KIPS | 9 |

THIS IS NOT THE PLOT PLAN! THIS DIAGRAM REPRESENTS THE DATA SUPPLIED TO PIROD UPON WHICH THIS TOWER DESIGN IS BASED. IF THE INFORMATION ON THIS PAGE IS NOT CORRECT, CONTACT THE FACTORY FOR FURTHER ANALYSIS AT (219) 936-4221 EXT. 5299. THE OWNER SHOULD BE CONSULTED TO CONFIRM THE ACTUAL TOWER ORIENTATION.



Aug 31 1999

CROWN COMMUNICATIONS
CONWAY ECHO KY353, KY
36 X 351. GUYED TOWER



ENG. FILE NO. A-9908298A
Q-86197

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PAGE 4 OF 10

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|-----|-----------------------------------|------------|----------|
| A | ADDED FOUNDATIONS PER SOIL REPORT | 08/30/1999 | JRE |

| APPROVED/ENG. | DATE | APPROVED/FOUND. | DATE | TRP | DRAWN BY |
|---------------|------------|-----------------|------------|-----|----------|
| JRE | 08/30/1999 | JRE | 08/30/1999 | | |

GENERAL NOTES

1. TOWER DESIGN CONFORMS TO STANDARD EIA/TIA-222-F FOR 70 MPH BASIC WIND SPEED WITH 0.50" RADIAL ICE WITH LOAD DUE TO WIND REDUCED BY 25% WHEN CONSIDERED SIMULTANEOUSLY WITH ICE. TOWER DESIGN CONFORMS TO STANDARD EIA/TIA-222-F FOR 70 MPH BASIC WIND SPEED WITH NO ICE.
2. MATERIAL: (A) SOLID RODS CONFORM TO ASTM A-572 GRADE 50 REQUIREMENTS.
 (B) ANGLES CONFORM TO ASTM A-36 REQUIREMENTS.
 (C) PIPE CONFORMS TO ASTM A-53 TYPE E, GRADE B REQUIREMENTS. (MIN YIELD STRENGTH=42 KSI)
 (D) ALL STEEL PLATES CONFORM TO ASTM A-36 REQUIREMENTS.
3. FINISH: HOT DIPPED GALVANIZED AFTER FABRICATION.
4. ANTENNAS:
 TOP - TWELVE ALP9011 ANTENNAS ON A LOW PROFILE PLATFORM WITH 1 5/8" LINES.
 335' - TWELVE ALP9011 ANTENNAS ON THREE T-FRAMES WITH 1 5/8" LINES.
 320' - TWELVE ALP9011 ANTENNAS ON THREE T-FRAMES WITH 1 5/8" LINES.
 285' - TWO 8' HIGH PERFORMANCE DISHES WITH EW63.
5. MIN. WELDS 5/16" UNLESS OTHERWISE SPECIFIED. ALL WELDING TO CONFORM TO AWS SPECS.
6. ALL BOLTS AND NUTS MUST BE IN PLACE BEFORE THE ADJOINING SECTION(S) ARE INSTALLED.
7. ALL A-325 BOLTS ARE TO BE TIGHTENED TO A SNUG TIGHT CONDITION AS DEFINED BY AISC SPECIFICATION UNLESS OTHERWISE NOTED. A MORE QUANTITATIVE ALTERNATIVE APPROACH TO ACHIEVING A SNUG TIGHT CONDITION IS TO TIGHTEN USING THE TORQUE VALUES FROM DRAWING 123107-A.
8. EIA GROUNDING FOR TOWER.
9. FTB 312 DUAL KIT (351' - 700')
10. ALL TRANSMISSION LINES MUST BE PLACED ON PIRROD SUPPLIED TRANSMISSION LINE BRACKETS.



AUG 31 1999

CROWN COMMUNICATIONS
 CONWAY ECHO KY353, KY
 # 36 X 351' GUYED TOWER



| | | | | | | |
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| REV | DESCRIPTION OF REVISIONS | INI | DATE | DRAWN BY | TRP | ARCHIVE |
| A | ADDED FOUNDATIONS PER SOIL REPORT | JRE | 08/30/1999 | | | 0-86197 |
| | | | | APPROVED/FOUND | N/A | |
| | | | | APPROVED/ENG. | JRE | 08/30/1999 |

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 DRAWING NO. 205321-B
 PAGE 5 OF 10

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| REV A ADDED FOUNDATIONS PER SOIL REPORT | | JRE 08/30/1999 | DATE 08/30/1999 |
| DESCRIPTION OF REVISIONS | | INI | DRAWN BY |
| APPROVED/FOUND JRE 08/30/1999 | | APPROVED/ENG. JRE 08/30/1999 | TRP |
| APPROVED/ENG. JRE 08/30/1999 | | DRAWING NO. A-9908298A | |
| DRAWING NO. 205321-B | | PAGE 6 OF 10 | |

CROWN COMMUNICATIONS
 CONWAY ECHO KY353, KY
 # 36 X 351' GUYED TOWER

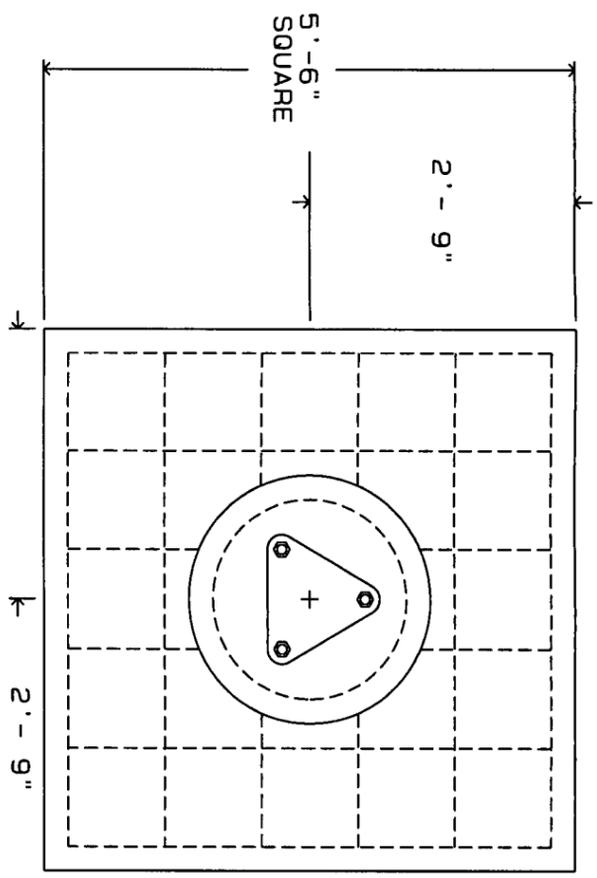


FOUNDATION NOTES

1. SOIL AS PER REPORT BY ATC DATED 7/7/1999 (#13800.9G33)
2. CONCRETE TO BE 4000 PSI @28 DAYS. REINFORCING BAR TO CONFORM TO ASTM A615 GRADE 60 SPECIFICATIONS. CONCRETE INSTALLATION TO CONFORM TO ACI-318 BUILDING REQUIREMENTS FOR REINFORCED CONCRETE. ALL CONCRETE TO BE PLACED AGAINST UNDISTURBED EARTH FREE OF WATER AND ALL FOREIGN OBJECTS AND MATERIALS. A MINIMUM OF THREE INCHES OF CONCRETE SHALL COVER ALL REINFORCEMENT. WELDING OF REBAR NOT PERMITTED.
3. ALL FILL SHOULD BE PLACED IN LOOSE LEVEL LIFTS OF NO MORE THAN 8" THICK. FILL MATERIALS SHOULD BE CLEAN AND FREE OF ORGANIC AND FROZEN MATERIALS OR ANY OTHER DELETERIOUS MATERIALS. COMPACT FILL TO 95% OF STANDARD PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698.
4. A COLD JOINT IS PERMISSIBLE. AT THE TOWER BASE ONLY. UPON CONSULTATION WITH PIRROD. ALL COLD JOINTS SHALL BE COATED WITH BONDING AGENTS PRIOR TO SECOND POUR.
5. ALL BACKFILL MATERIAL MUST COMPLY WITH THE REQUIREMENTS NOTED IN SECTION 5.2 OF THE REFERENCED GEOTECHNICAL REPORT

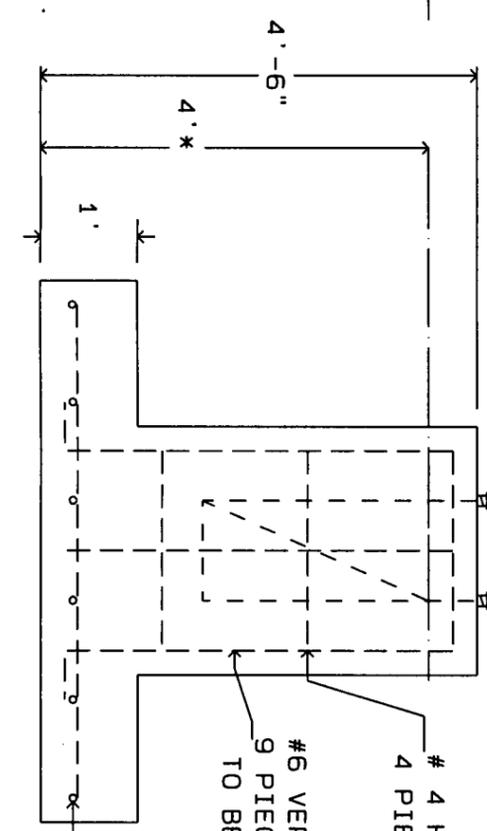
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| Printed from: 2053217A.DWG - 08/30/1999 18:01 @ 08/31/1999 09:58\$ | | DRAWING NO. 205321-B | |
| REV | DESCRIPTION OF REVISIONS | DATE | DRAWN BY |
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| | | 08/30/1999 | JRE |
| | | 08/30/1999 | JRE |

CROWN COMMUNICATIONS
CONWAY ECHO KY353, KY
36 X 351' GUYED TOWER



2'-6" ROUND PIER, CENTERED
AROUND THE CIRCULAR REBAR CAGE

* DEPTH SHOWN IS
MINIMUM ALLOWABLE.
ACTUAL DEPTH MUST
BE MIN. 6" BELOW
LOCAL FROST LEVEL.



CAGE P/N 107261 CENTERED IN PIER.
INSTALL WITH 6" OF THREADS EXPOSED.
FOUNDATION PLATE P/N 107260.
GROUT AFTER LEVELING PLATE - BEFORE ERECTING TOWER.

4 HORIZONTAL TIES - SEE (C) ON PAGE 8.
4 PIECES REQ., EQUALLY SPACED.

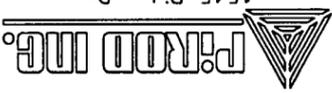
#6 VERTICAL REBAR, SEE (B) ON PAGE 8.
9 PIECES REQ., EQUALLY SPACED,
TO BE PLACED INSIDE TIES.

#4 HORIZONTAL BARS - SEE (A) ON PAGE 8.
6 EACH WAY, EVENLY SPACED.

NOTE: ALL REBAR IS EQUALLY SPACED AND
REQUIRES MIN. 3" CONCRETE COVER.

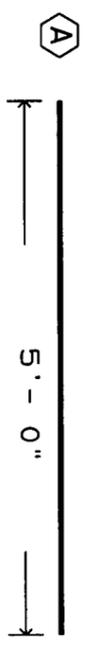
**TOWER BASE FOUNDATION
1.8 CU. YDS. CONCRETE REQUIRED**

FINISHED GRADE

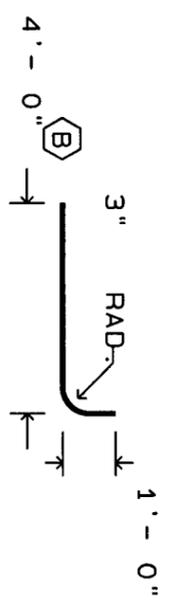
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| A | | ADDED FOUNDATIONS PER SOIL REPORT | | JRE | 08/30/1999 |
| REV | DESCRIPTION OF REVISIONS | | | | |
| | DATE | INITIALS | | | |
| DRAWN BY | | TRP | | | |
| APPROVED/ENG. | | JRE | 08/30/1999 | | |
| APPROVED/FOUND. | | JRE | 08/30/1999 | | |
| CROWN COMMUNICATIONS CONWAY ECHO KY353, KY # 36 X 351' GUYED TOWER | | | | | |
| 1545 Pidco Dr. Plymouth, IN 46563-0128 219-936-4221  | | | | | |
| DRAWING NO. | | ENG. FILE NO. | | | |
| 205321-B | | A-9908298A | | | |
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| 8 OF 10 | | 0-86197 | | | |

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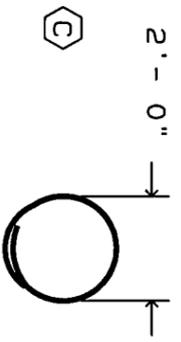
From: 86197.DFT - 08/30/1999 17:54



#4 REBAR - 12 PIECES REQUIRED TOTAL
APPROX WT = 3.3# EACH, 39# TOTAL



#6 REBAR - 9 PIECES REQUIRED TOTAL
APPROX UNBENT LENGTH = 4'-10-3/4"
APPROX WT = 7.4# EACH, 67# TOTAL



#4 REBAR - 4 PIECES REQUIRED TOTAL

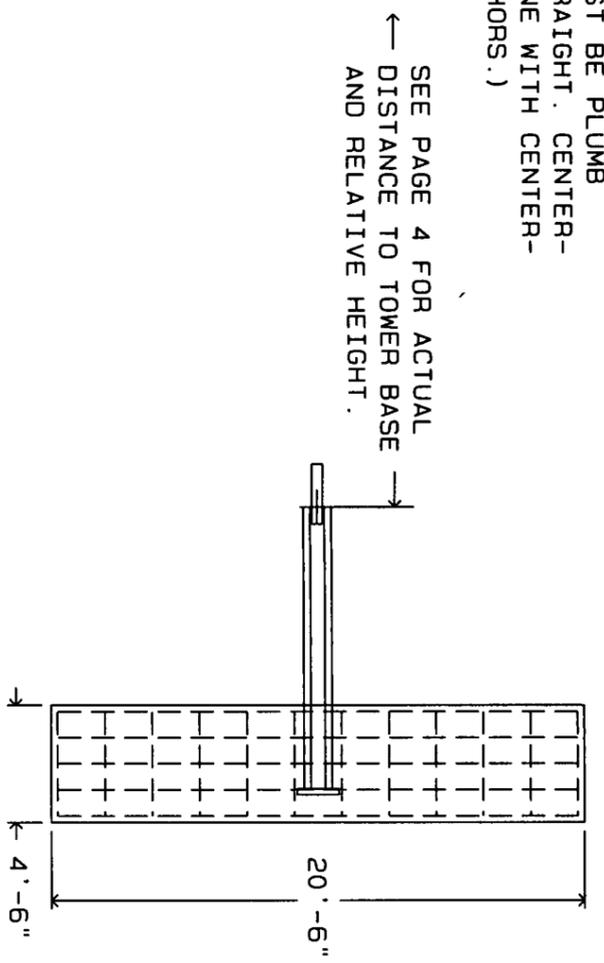
LAP DIMENSION: 1'-2-1/4"
PLACE REBAR RINGS SO THAT LAPS ON ADJACENT RINGS ARE 180 DEGREES APART
APPROX UNBENT LENGTH = 7'-5-3/4"
APPROX WT = 5.0# EACH, 20# TOTAL



TOTAL APPROXIMATE REBAR WEIGHT = 126#
REINFORCING BAR TO CONFORM TO ASTM A615 GRADE 60 SPECIFICATIONS

**TOWER BASE FOUNDATION
REBAR DETAIL - NOT TO SCALE**

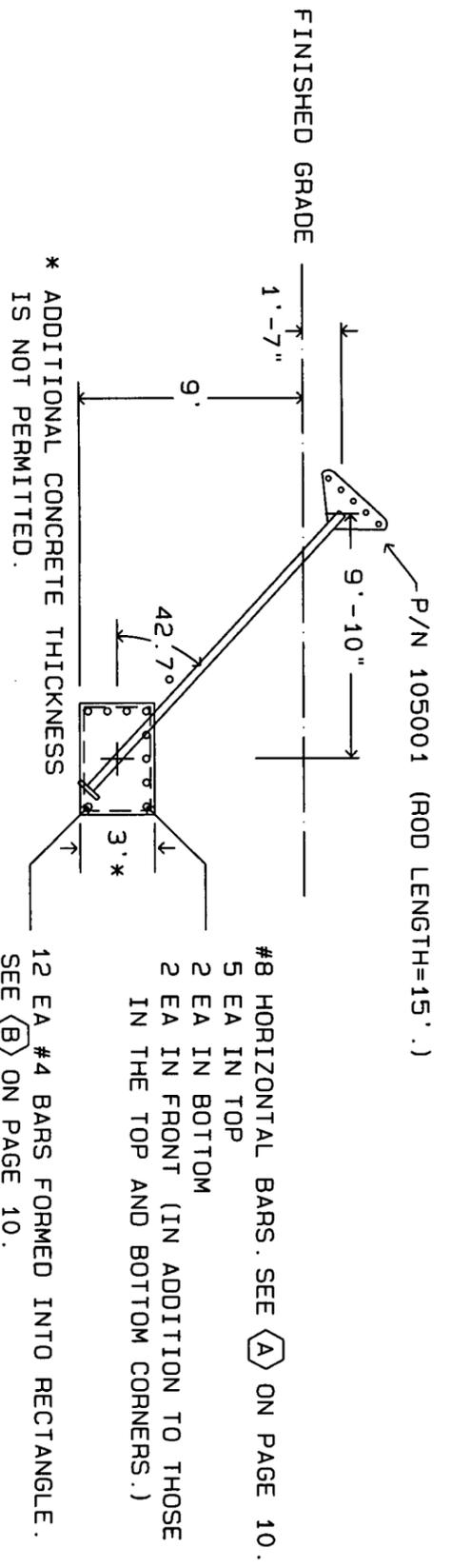
VERTICAL CENTERLINE OF ANCHOR HEAD MUST BE PLUMB
 +/- 2 DEGREES. ANCHOR RODS MUST BE STRAIGHT. CENTER-
 LINE OF ANCHOR AND RODS MUST BE IN LINE WITH CENTER-
 LINE OF TOWER +/- 1/2 DEGREE (ALL ANCHORS.)



ALL REBAR IS EQUALLY SPACED AND
 REQUIRES MIN. 3" CONCRETE COVER.

FOR GUY WIRE INSTALLATION SEE
 DRAWING #104834-B.

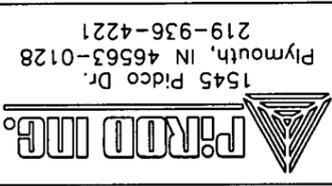
FOR GUY HARDWARE SIZES SEE TABLE
 ON PAGE 3.



#8 HORIZONTAL BARS. SEE (A) ON PAGE 10.
 5 EA IN TOP
 2 EA IN BOTTOM
 2 EA IN FRONT (IN ADDITION TO THOSE
 IN THE TOP AND BOTTOM CORNERS.)
 12 EA #4 BARS FORMED INTO RECTANGLE.
 SEE (B) ON PAGE 10.



CROWN COMMUNICATIONS
 CONWAY ECHO KY353, KY
 # 36 X 351. GUY ANCHORS



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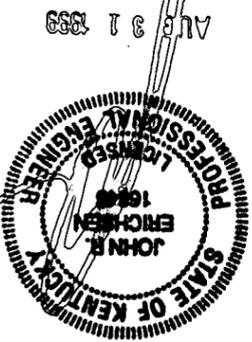
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 Q-86197
 DRAWING NO. 205321-B
 PAGE 9 OF 10

GUY ANCHORS AT LOCATIONS A-1, B-1 AND C-1
 3 REQUIRED -10.3 CU. YDS. CONCRETE REQUIRED EACH

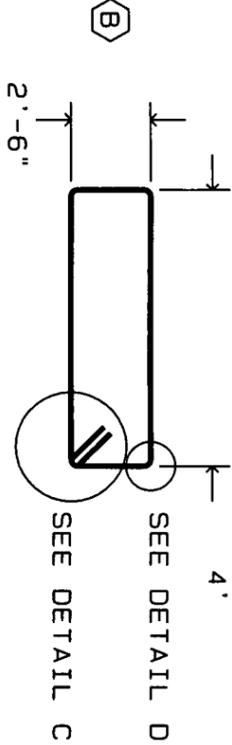
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| Printed from: 205321A.DWG - 08/30/1999 18:01 @ 08/31/1999 09:58 | | 0-86197 | |
| REV | DESCRIPTION OF REVISIONS | DATE | DRAWN BY |
| A | ADDED FOUNDATIONS PER SOIL REPORT | 08/30/1999 | JRE |
| | | | APPROVED/FOUND. JRE 08/30/1999 |
| | | | APPROVED/ENG. JRE 08/30/1999 |

CROWN COMMUNICATIONS
 CONWAY ECHO KY353, KY
 # 36 X 351' GUY ANCHORS

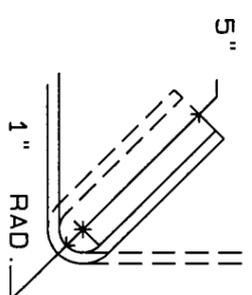
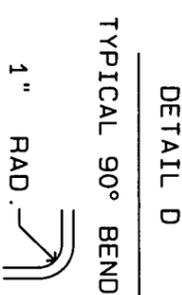
1545 Pidge Dr.
 Plymouth, IN 46563-0128
 219-936-4221
PRROD INC.



#8 REBAR - 27 PIECES REQUIRED TOTAL.
 APPROX WT = 53.4# EACH, 1441# TOTAL



#4 REBAR - 36 PIECES REQUIRED TOTAL.
 FORMED INTO A RECTANGLE WITH 135° HOOK AT BOTH ENDS
 APPROX UNBENT LENGTH = 13'-7-7/8"
 APPROX WT = 9.1# EACH, 328# TOTAL



TOTAL APPROXIMATE REBAR WEIGHT = 1769#
 REINFORCING BAR TO CONFORM TO ASTM A615 GRADE 60 SPECIFICATIONS.

GUY ANCHORS AT LOCATIONS A-1, B-1 AND C-1
 REBAR DETAIL - NOT TO SCALE

EXHIBIT D
COMPETING UTILITIES, CORPORATIONS, OR PERSONS LIST

COMPETING UTILITIES, CORPORATIONS, OR PERSONS LIST:

1. American Tower
2. APEX
3. Tritel Communications
4. Nextel Partners
5. Spectra Site
6. CommNet
7. GTE Mobilenet, Inc.
8. BellSouth Mobility, Inc.
9. BellSouth Wireless Cable, Inc.
10. NextelWave
11. Powertel Kentucky, Inc.
12. SBA
13. Sprint PCS

Collocation Report for Crown Site # 353KY-Conway

There are no commercial towers or structures suitable for collocation within a two-mile radius of the proposed Conway tower site. The map included with this application depicts all known tower sites in Rockcastle County Kentucky.

Prepared by:

Rodney Strong
CROWN COMMUNICATION INC.
11001 Bluegrass Parkway, Suite 330
Louisville, KY 40299
Telephone: (502) 240-0044

**EXHIBIT F
APPLICATION TO FAA**

no 312 KY-75/Carway

Federal Aviation Administration
Southern Region, ASO-520
P.O. Box 20636
Atlanta, GA 30320

AERONAUTICAL STUDY
No: 99-ASO-1436-OE

ISSUED DATE: 05/04/99

KRISTEN WEIDE
CROWN COMMUNICATIONS, INC.
375 SOUTPOINTE BOULEVARD
CANONSBURG, PA 15317

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has completed an aeronautical study under the provisions of 49 U.S.C., Section 44718 and, if applicable, Title 14 of the Code of Federal Regulations, part 77, concerning:

Description: NEW ANTENNA TOWER
SEE FREQUENCIES ON ATTACHED SHEET
Location: BERE A KY
Latitude: 37-30-13.98 NAD 83
Longitude: 084-19-39.51
Heights: 375 feet above ground level (AGL)
1488 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

-As a condition to this determination, the structure should be marked and/or lighted in accordance with FAA Advisory Circular 70/7460-1J, Obstruction Marking and Lighting, Chapters 4, 8(M-Dual), & 13.

-It is required that the enclosed FAA Form 7460-2, Notice of Actual Construction or Alteration, be completed and returned to this office any time the project is abandoned or:

N/A At least 10 days prior to start of construction
(7460-2, Part I)

X Within 5 days after construction reaches its greatest height
(7460-2, Part II)

This determination expires on 11/04/00 unless:

- (a) extended, revised or terminated by the issuing office or
- (b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case the determination expires on the date prescribed by the FCC for completion of construction or on the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE POSTMARKED OR DELIVERED TO THIS OFFICE AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE.

-As a result of this structure being critical to flight safety, it is

required that the FAA be kept apprised as to the status of this project. Failure to respond to periodic FAA inquiries could invalidate this determination.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, frequency(ies) or use of greater power will void this determination. Any future construction or alteration, including increase in heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

A copy of this determination will be forwarded to the Federal Communications Commission if the structure is subject to their licensing authority.

If we can⁵⁵⁸¹ be of further assistance, please contact our office at 404-305-~~5614~~. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 99-ASO-1436-OE.

Mary Z. Mc Burney

Mary Z. Mc Burney
Specialist, Airspace Branch

(DNE)

7460-2 Attached

Frequency Band

Effective Radiated Power

| | |
|-------------------|-----------|
| 33-54 MHz | 100 Watts |
| 72-73 MHz | 100 Watts |
| 144-162 MHz | 250 Watts |
| 220-222 MHz | 100 Watts |
| 450-502 MHz | 250 Watts |
| 806-880 MHz | 250 Watts |
| 890-960 MHz | 500 Watts |
| 1,500 MHz | 500 Watts |
| 1,900-2,000 MHz | 500 Watts |
| 5,000-6,500 MHz | 100 Watts |
| 10,000-11,000 MHz | 100 Watts |
| 18,000 MHz | 100 Watts |
| 21,000 MHz | 100 Watts |
| 24,000 MHz | 100 Watts |
| 38,000 MHz | 100 Watts |

EXHIBIT G
APPLICATION TO KENTUCKY AIRPORT ZONING COMMISSION



Kentucky Airport Zoning Commission
125 Holmes Street
Frankfort, KY 40622

(502) 564-4480
fax: (502) 564-7953
No.: AS-102-139-99-059

Conditional Approval

May 21, 1999

CROWN COMMUNICATION INC
KRISTEN WEIDE, REGULATORY COORDINATOR
375 SOUTH POINTE BOULEVARD
Cannonsburg, PA 15317

SUBJECT: AS-102-139-99-059

STRUCTURE: Antenna Tower
LOCATION: Berea, KY
COORDINATES: 37°30'13.98"N / 84°19'39.51"W
HEIGHT: 375' AGL/1,488' AMSL

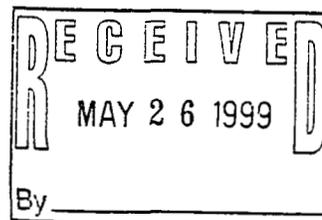
Gentlemen:

Your application for a permit to construct or alter the above structure was reviewed at the May 13, 1999 regular meeting of the Kentucky Airport Zoning Commission. This letter is to advise you that your permit has been tentatively approved by the Commission pending the FAA Determination. Upon receipt of notification of No Hazard, No IFR/VFR Effects from the FAA and FAA recommended lighting, final approval of your application will be granted and copies forwarded to you.

If you have any questions or would like to check on the status of your permit, please feel free to call me at (502) 564-4480.

Sincerely,

Ronald Bland
Administrator





AERONAUTICAL STUDY OF PROPOSED CONSTRUCTION OR ALTERATION

April 12, 1999

CROWN COMMUNICATION INC
KRISTEN WEIDE, REGULATORY COORDINATOR
375 SOUTH POINTE BOULEVARD
Cannonsburg, PA 15317

| | |
|-----------------------|-------------------------------|
| CONSTRUCTION LOCATION | Berea, KY |
| LATITUDE/LONGITUDE | 37°30'13.98"N / 84°19'39.51"W |
| HEIGHT (In Feet) | 375' AGL/1,488' AMSL |
| CONSTRUCTION PROPOSED | Antenna Tower |

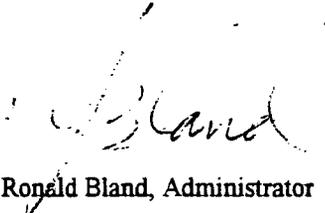
An application has been filed with the Kentucky Airport Zoning Commission for a permit to construct or alter the above described structure. Accordingly, the Kentucky Airport Zoning Commission is conducting an aeronautical study of the proposal to determine its effect upon the safe and efficient use of navigable airspace by aircraft and on the operation of air navigation facilities.

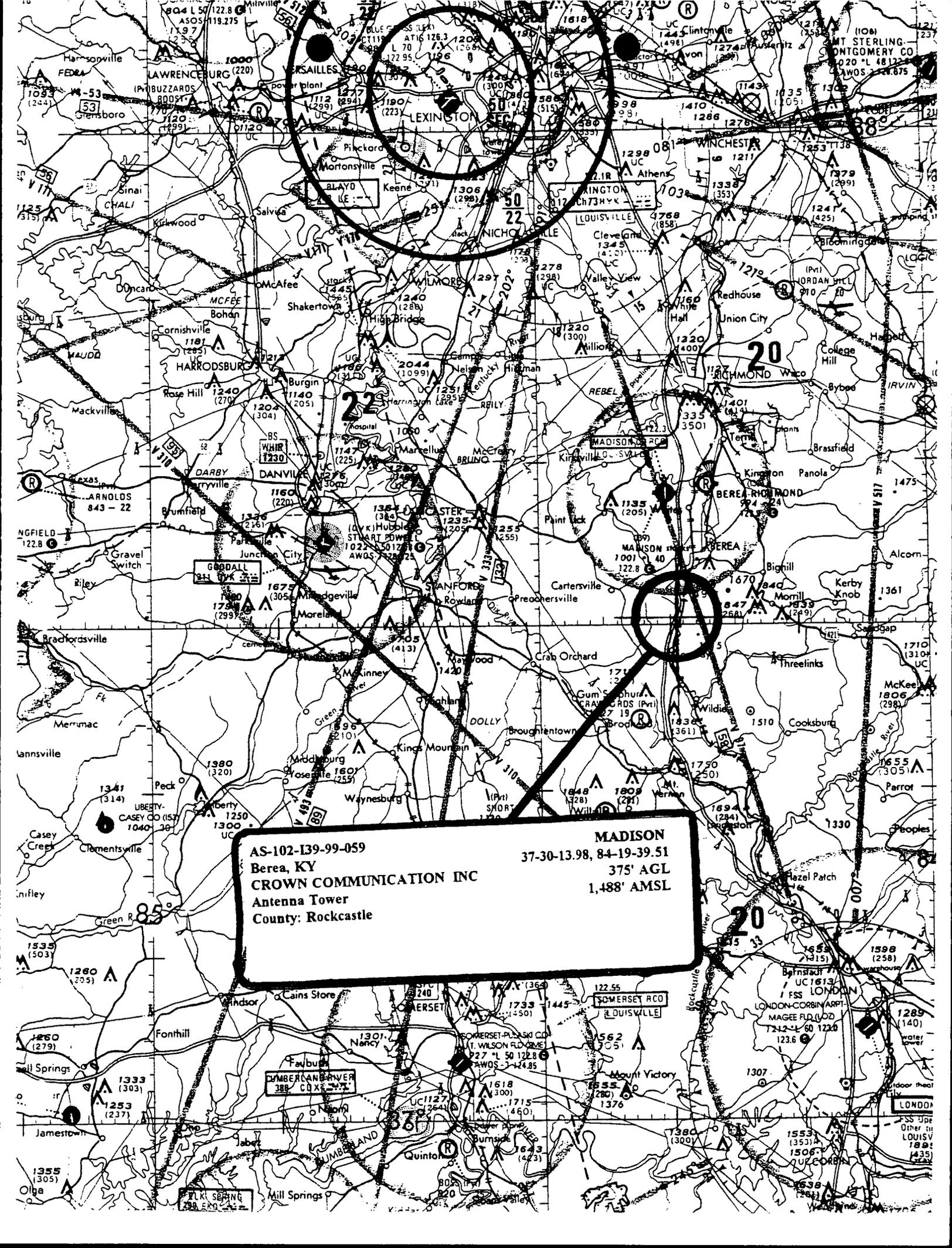
In the study, consideration will be given to all facts relevant to the effect of the structure on the safety of airport users and surface persons and property; the character of the flying operations conducted at the airport; the nature of the terrain; the height of existing structures and trees above the level of the airport, the views of the officials of the Federal Aviation Administration as to the safe approaches required for operations of the airport, the future development of the airport including extension to runways that may be required; the interest of the public in developing a sound public transportation system and the views and opinions of those owning the land in the area.

Interested persons are invited to participate in the aeronautical study by submitting written comments to the Administrator of the Kentucky Airport Zoning Commission. To be eligible for consideration, comments must be relevant to the effect of the proposed construction with the consideration set out above. The comments should provide sufficient details to permit a clear understanding, and be received before May 12, 1999. Please refer to the Aeronautical Study Number printed in the upper right hand corner of this notice.

The antenna tower is to be located 8 NM south of Madison Airport. Preliminary review indicates the structure exceeds no state obstruction standards. Obstruction marking and lighting are proposed.

KENTUCKY AVIATION ASSOCIATION, ROBERT RIGGS
AIRPORT MANAGER, MADISON AIRPORT
MAYOR, CITY OF BERA


Ronald Bland, Administrator



AS-102-I39-99-059
Berea, KY
CROWN COMMUNICATION INC
Antenna Tower
County: Rockcastle

MADISON
37-30-13.98, 84-19-39.51
375' AGL
1,488' AMSL

KENTUCKY TRANSPORTATION CABINET, DIVISION OF AERONAUTICS, 125 HOLMES STREET, FRANKFORT, KY 40621

AERONAUTICAL STUDY NUMBER

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

1. NATURE OF PROPOSAL

A. TYPE

NEW CONSTRUCTION

ALTERATION

B. CLASS

PERMANENT

TEMPORARY

C. WORK SCHEDULE

BEGIN 06/26/99

END 09/26/99

2. DESCRIPTION OF STRUCTURE

See Attached

3A. APPLICANT - NAME, ADDRESS & TELEPHONE

Kristen Weide
Crown Communications Inc.
375 Southpointe Boulevard
Canonsburg, PA 15317

B. REPRESENTATIVE OF APPLICANT - NAME, ADDRESS & TELEPHONE

4. LOCATION OF STRUCTURE

A. GEOGRAPHIC COORDINATES (NEAREST SECOND)

B. NEAREST KY CITY
Berea, KY

C. NEAREST KY AIRPORT
I39: Madison

LATITUDE
37° 30' 13.98"

(1) DISTANCE TO 4B

(1) DISTANCE TO RUNWAY
7.3247 NM

LONGITUDE
84° 19' 39.51"

(2) DIRECTION TO 4B

(2) DIRECTION TO AIRPORT
358.36 degrees

5. HEIGHT & ELEVATION

A. SITE ELEVATION (ABOVE MEAN SEA LEVEL)

1113'

B. HEIGHT OF STRUCTURE, INCLUDING APPURTENANCES AND LIGHTS (ABOVE GROUND LEVEL)

375'

C. OVERALL HEIGHT (AMSL) (A-B)

1488'

6. OBSTRUCTION MARKING & LIGHTING

YES

NO

A. MARKED FOR THE PROTECTION OF AIR NAVIGATION (FLAGS, SPHERES, ETC.)

B. OBSTRUCTION MARKED IN ACCORDANCE WITH 602KAR50:100 (FAA AC 707460-1J)

C. OBSTRUCTION LIGHTED IN ACCORDANCE WITH 602KAR50:100 (FAA AC 707460-1J)

7. HAS "NOTICE OF CONSTRUCTION OR ALTERATION" (FORM 7460-1) BEEN FILED WITH THE FEDERAL AVIATION ADMINISTRATION? IF SO, WHEN?

yes

03/26/1999

8. CERTIFICATION - I HEREBY CERTIFY THAT ALL THE ABOVE STATEMENTS MADE BY ME ARE TRUE, COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

BY Kristen Weide/Regulatory Coordinator
NAME (PRINTED), SIGNATURE & TITLE

DATE 03/26/99

PENALTIES - PERSONS FAILING TO COMPLY WITH KENTUCKY REVISED STATUTES AND KENTUCKY AIRPORT ZONING COMMISSION ADMINISTRATIVE REGULATIONS ARE LIABLE FOR FINES OR IMPRISONMENT AS SET FORTH IN KRS 183.990(3). NON-COMPLIANCE WITH FEDERAL AVIATION ADMINISTRATION REGULATIONS MAY RESULT IN FURTHER PENALTIES.

COMMISSION ACTION

CHAIRMAN, KAZC (OR) ADMINISTRATOR, KAZC

APPROVED _____

DATE _____

DISAPPROVED _____

Site: 353 KY

Conway

For Aeronautical Study No.

Location: City Mt. Vernon, KY
County Rockcastle

U.S.G.S. Quadrangle: Berea, KY

(NAD 27) LATITUDE 37° 30' 13.68"
LONGITUDE 84° 19' 39.74"

(NAD 83) LATITUDE 37° 30' 13.98"
LONGITUDE 84° 19' 39.51"

SITE ELEVATION 1113' ± AMSL.
TOWER (with antenna) HEIGHT 375' ± FAA AGL
OVERALL HEIGHT ELEVATION 1488' ± AMSL

I Certify, to the best of my knowledge and belief, that the horizontal and vertical datum as established from the referenced U.S.G.S. Quadrangle, is accurate to 2C Reporting requirements of ± 50 feet horizontally and ± 20 feet vertically.

The horizontal datum (coordinates) are in terms of the North American Datum of 1927 (NAD 27) and 1983 (NAD 83) and expressed as degrees, minutes and seconds.

The vertical datum (heights) are in terms of the National Geodetic Vertical Datum of 1929 and are determined to the nearest foot.

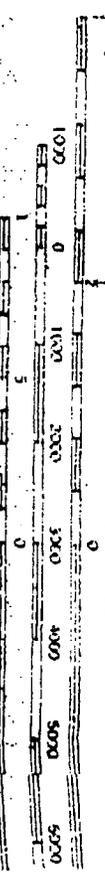


Frank L. Sellinger, II
P. L. S. No. 3282

United States Geological Survey
and Kentucky Geodetic Survey
Metric methods from aerial photographs
1952. Revised from aerial photographs
1970

BEREA, KY

1 mi
1 cm



CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC DATUM OF 1972

19 (WILDER)
458 IVINE
SCALE 1:24,000



Frequency Band

Effective Radiated Power

| | |
|-------------------|-----------|
| 33-54 MHz | 100 Watts |
| 72-73 MHz | 100 Watts |
| 144-162 MHz | 250 Watts |
| 220-222 MHz | 100 Watts |
| 450-502 MHz | 250 Watts |
| 806-880 MHz | 250 Watts |
| 890-960 MHz | 500 Watts |
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| 5,000-6,500 MHz | 100 Watts |
| 10,000-11,000 MHz | 100 Watts |
| 18,000 MHz | 100 Watts |
| 21,000 MHz | 100 Watts |
| 24,000 MHz | 100 Watts |
| 38,000 MHz | 100 Watts |



*GEOTECHNICAL ENGINEERING STUDY
CROWN COMMUNIATIONS
CONWAY 353KY TOWER
BEREA, KENTUCKY
ATC Project No. 13000.9G33*

**GEOTECHNICAL ENGINEERING STUDY
CROWN COMMUNICATIONS
CONWAY 353KY TOWER
BEREA, KENTUCKY
ATC Project No. 13000.9G33**

Prepared For:

*Crown Communications, Inc.
11001 Bluegrass Parkway, Suite 330
Louisville, Kentucky 40299*

Attention: Mr. Rodney Strong



2815 Watterson Trail
Louisville, Kentucky 40299
502.267.8355
Fax 502.267.8528

July 7, 1999

Crown Communications, Inc.
11001 Bluegrass Parkway, Suite 330
Louisville, Kentucky 40299

Attention: Mr. Rodney Strong

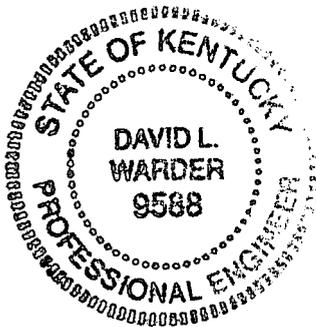
Re: Geotechnical Engineering Study
Proposed Conway 353 KY Tower
Berea, Kentucky
ATC Project No. 13800.9G33

Gentlemen:

Transmitted herewith is our geotechnical engineering report for the referenced project as authorized in accordance with our January 15, 1998 proposal for environmental and geotechnical support services. This report contains our findings, an engineering interpretation of these findings with respect to the available project characteristics, and recommendations to aid design and construction of the tower foundations. We appreciate the opportunity to be of service to you on this project. If you have any questions regarding this report, please contact our office.

Cordially,
ATC Associates Inc.

Elizabeth W. Stuber, E.I.T.
Project Engineer



David L. Warder, P.E.
Regional Geotechnical Engineer

Copies submitted: (4) Mr. Rodney Strong

LETTER OF TRANSMITTAL

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APPENDIX

SITE VICINITY MAP
GEOTECHNICAL BORING LOG
SOIL SAMPLE CLASSIFICATION
MATERIAL GRAPHICS LEGEND

GEOTECHNICAL ENGINEERING INVESTIGATION

Proposed Communications Transmission Tower

Conway 353 KY Tower

151 Jim Lambert

Berea, Kentucky

ATC Project No. 13000.9G70

1. PURPOSE AND SCOPE

The purpose of this study was to determine the general subsurface conditions at the location of the proposed tower by drilling one soil test boring and to evaluate this data with respect to foundations concept and design for the proposed tower. Also included is an evaluation of the site with respect to potential construction problems and recommendations dealing with quality control during construction. No test borings were drilled at the proposed guy anchor locations because the orientation of the tower was not known at the time of our field investigation. The scope of our study did not include any investigation to determine the mining history of the site or to establish the presence or absence of mining below the site.

2. PROJECT CHARACTERISTICS

Crown Communications is planning to construct a guyed communications tower at 151 Jim Lambert Road in Berea, Rockcastle County, Kentucky. The proposed tower location is shown on the Site Vicinity Map in the Appendix. At the time of our field exploration, the site was a densely wooded hillside with very limited access to our drilling equipment.

We assume that the tower will be supported on a concrete foundation with guy cables radiating from the tower 120 degrees apart, and secured by concrete dead-weight anchors located within approximately 150 feet from the tower center. No foundation design loads had been provided. We assume that the maximum downward load on the tower will not exceed about 200 kips and that the maximum uplift and lateral forces in the guy anchors will be in the range of 75 to 100 kips/anchor. The development will also include a small equipment building near the base of the tower.

3. SUBSURFACE CONDITIONS

The subsurface conditions were explored by drilling one test boring at the proposed tower location, the tower center of which was staked in the field by the project surveyor. Due to the grade and heavy tree cover, the anchor locations were not assessable and the investigation was limited to a single boring at the tower center. The Geotechnical Soil Test Boring Log, which is included in the Appendix, describes the materials and conditions encountered. A sheet defining the terms and symbols used on the boring log and explaining the Standard Penetration Test (SPT) procedure can also be found in the Appendix. The general subsurface conditions disclosed by the test boring are discussed in the following paragraphs.

There was no topsoil layer at the ground surface since the tower center location had recently been cleared to allow access and the upper few feet had been disturbed. Therefore, the sample from 1 to 2.5 feet appeared as fill (even though it may just be disturbed natural soil). From about 3.5 feet, the boring encountered highly weathered clay shale to the termination depth of 16 feet. The SPT N-values in the

clay shale ranged from 43 to 87 blows per foot indicating a hard consistency. Moisture contents performed on selected samples ranged from 8.8 to 9.2 percent which is typical for clay shale.

The boring encountered auger refusal at a depth of 16 feet below the existing ground surface. Auger refusal is the depth below which a test boring can no longer be advanced with hollow stem augers. Core drilling is required to determine the character and continuity of auger refusal material.

Groundwater observations made at the completion of drilling operations indicated the boring to be dry. It must be noted, however, that short term water readings are not necessarily a reliable indication of the actual groundwater level. Furthermore, it must be emphasized that the groundwater level is generally not stationary, but will fluctuate seasonally.

According to the Seismic Zone Map of the United States, Berea, Kentucky is within Zone 1. In this system, Zone 3 is the most seismically active while Zone 0 has the lowest earthquake potential. Considering the subsurface conditions encountered at the site and Table 16-J in the 1997 Uniform Building Code, the soil-profile type is Sc.

Resistivity was measured at the site using a model 2350B Earth Resistivity Meter manufactured by Bison Instruments. The Wenner Electrode spacing array was used. With this array, potential electrodes are centered on a line between the current electrodes and an equal spacing between electrodes is maintained. The resistivity values are presented in Table 1.

| TABLE 1: RESISTIVITY TEST RESULTS | |
|-----------------------------------|----------------------|
| 353 KY - Conway | |
| Spacing | Resistivity (ohm-cm) |
| 5 ft. | 5685 |
| 10 ft. | 13,228 |

4. FOUNDATION DESIGN RECOMMENDATIONS

The following design recommendations have been developed on the basis of the previously described project characteristics (Section 2.0) and subsurface conditions (Section 3.0). The recommendations are based on the assumption that the subsurface conditions at the anchor locations are similar to these at the tower center. Because of the variable topography at the site, the assumption may not be valid. Unless additional test borings are made prior to tower construction, this office must be notified if different conditions are noted at the anchor locations. We should also be notified if the project description included herein is incorrect or if the proposed structure location is changed to establish if revisions to the following recommendations are necessary.

4.1. Tower Foundation

Our findings indicate that the proposed tower can be supported on a spread footing bearing at or below a depth of 3.5 feet below the existing ground surface. The footing can be designed for a net allowable soil pressure of 6,000 lbs/sq.ft. It is important that the foundation excavation be

carefully inspected as described in Section 5.1 to insure that the foundation will bear on suitable material.

In using net pressures, the weight of the foundation and backfill over the foundation need not be considered; hence, only loads applied at or above the existing ground surface elevation need to be used for dimensioning the foundation. The bottom of the tower foundation should bear at a depth of at least 2.5 feet below the final exterior grade for frost protection.

It is estimated that resulting foundation settlements should not exceed about 0.75 inches. Careful field control will contribute substantially to minimizing the settlements.

4.2. Guy Anchors

The guy anchor blocks must be designed to resist both the uplift and horizontal components of the guy cable forces. The uplift force will be resisted by the dead weight of the anchor block as well as the soil material that is placed over the anchor block. Unless a very high factor of safety is used, only the weight of the soil immediately above and within the perimeter of the anchor block should be used in calculating uplift resistance. A total soil unit weight of 120 lbs/cu. ft. can be used for the backfill material that is placed above the anchor blocks, provided it is compacted as recommended in Section 5.2. Using this procedure, it is recommended that a safety factor of at least 1.2 be used for calculating uplift resistance from an anchor block, provided only the weight of the anchor block and the soil immediately above it are used to resist uplift forces.

The horizontal component of the guy force must be resisted by the "passive" earth pressure that is developed along the face of the anchor block. It is recommended that an allowable passive pressure of 1000 lb./sq.ft. be used for that portion of the anchor block that is below a depth of 2.0 feet. No passive resistance should be included for any portion of the anchor block that is located within the upper 2.0 feet.

4.3. Equipment Building

The equipment building may be supported on shallow, spread footings bearing in the natural clay shale and designed for a net allowable soil pressure of 3,000 pounds per square foot. The footings should be at least ten inches wide and should bear at a depth of at least 30 inches to minimize the effects of frost action. Any old fill, topsoil, frozen or excessively soft material must be removed beneath footings.

The floor slab for the new equipment building may be subgrade supported on a properly prepared subgrade. The slab should be designed and adequately reinforced to resist the loads proposed. The exposed subgrade should be carefully inspected by probing and testing as needed. Any organic material (topsoil) still in place, frozen or excessively soft soil and other undesirable materials should be removed.

Once the subgrade has been properly prepared and evaluated, fill may be placed to attain the desired final grade. Any non-organic, naturally occurring, non-expansive soils can be used for structural fill, including those encountered on this site, pending evaluation by the geotechnical engineer.

All engineered fill should be compacted to a dry density of at least 95 percent of the standard Proctor maximum dry density (ASTM D698). The compaction should be accomplished by placing the fill in about eight inch loose lifts and mechanically compacting each lift to at least the specified density. Field tests should be performed on each lift as necessary to insure that adequate compaction is being achieved.

Surface run-off water should be drained away from the building and not allowed to pond. It is recommended that all foundation concrete be placed the same day the excavation is made.

5. GENERAL CONSTRUCTION PROCEDURES AND RECOMMENDATIONS

It is possible that variations in subsurface conditions will be encountered during construction. This is particularly true for the guy anchor locations, where conditions may vary significantly from those encountered in the test boring at the tower center. It is recommended the geotechnical engineer or a representative be retained to perform continuous inspection and review during construction of the soils-related phases of the work. This will permit correlation between the test boring data and the actual soil conditions encountered during construction.

5.1. Tower Foundation Excavation

The tower foundation excavation should be inspected by the geotechnical engineer or a qualified soils technician to insure that all undesirable material is removed and that the foundation will bear

on satisfactory material as described in Section 4.1. At the time of such inspection, it will be necessary to make hand auger borings or use a hand penetration device in the base of the foundation excavation to insure that the soils below the base are satisfactory for foundation support. The necessary depth of penetration will be established during inspection.

If undercutting is required in order to remove unsuitable materials at the tower foundation location, a higher foundation bearing elevation may be re-established by backfilling after all undesirable materials have been removed or the foundation can be placed at the lower depth. The undercut excavation beneath the foundation should extend to suitable bearing soils and the dimensions of the excavation base should be determined by imaginary planes extending outward and down on a 2 (vertical) to 1 (horizontal) slope from the base perimeter of the foundation. The entire excavation should then be refilled with a well-compacted granular fill as described in Section 5.2 or lean concrete may be used. Special care should be exercised to remove any sloughed, loose or soft materials near the base of the excavation slopes with benches as necessary, to insure that no pockets of loose or soft materials will be left in place along the excavation slopes below the foundation bearing level.

Soils exposed in the base of the foundation excavation should be protected against any detrimental changes in conditions such as from disturbance, rain and freezing. Surface run-off water should be drained away from the excavation and not allowed to pond. If possible, all concrete should be placed that same day the excavation is made. If this is not practical, the excavation should be adequately protected.

5.2. Fill Compaction

All engineered fill placed adjacent to and above the tower foundation and guy anchor blocks should be compacted to a dry density of at least 95 percent of the standard Proctor maximum dry density (ASTM D-698). This minimum compaction requirement should be increased to 100 percent for any fill placed below the tower foundation bearing elevation. Any fill placed beneath the tower foundation should be limited to well-graded sand and gravel, crushed stone, or lean concrete. The compaction should be accomplished by placing the fill in about 8 inch (or less) loose lifts and mechanically compacting each lift to at least the specified minimum dry density. Field density test should be performed on each lift as necessary to insure that adequate moisture conditioning and compaction is being achieved.

Compaction by flooding is not considered acceptable. This method will generally not achieve the desired compaction and the large quantities of water will tend to soften the foundation soils.

5.3. Construction Dewatering

No serious dewatering problems are anticipated. At the time of our investigation, the ground water level appeared to be below the anticipated excavation depths. However, depending upon seasonal conditions, some minor seepage into excavations may be experienced. It is anticipated that any such seepage can be handled by conventional dewatering methods such as pumping from sumps.

6. FIELD INVESTIGATION

One soil test boring was drilled at the location established in the field by the project surveyor. Split-spoon samples were obtained by the Standard Penetration Test (SPT) procedure (ASTM D1586) in the test boring. The boring was extended to the auger refusal depth of 12 feet below existing grade. Representative portions of the soil samples were sealed in glass jars and returned to our laboratory.

The boring log is included in the appendix along with a sheet defining the terms and symbols used on the log and an explanation of the Standard Penetration Test (SPT) procedure. The log presents visual descriptions of the soil strata encountered, Unified System soil classifications, groundwater observations, sampling information, laboratory test results, and other pertinent field data and observations.

7. LABORATORY INVESTIGATION

The split-spoon samples were inspected and visually classified by a geotechnical engineer in general accordance with the Unified Soil Classification System and the field boring log was edited as necessary. To aid in classifying the soil samples and to check the general soil characteristics pocket penetrometer tests were performed on selected samples. The results of these tests are included on the boring log.

APPENDIX

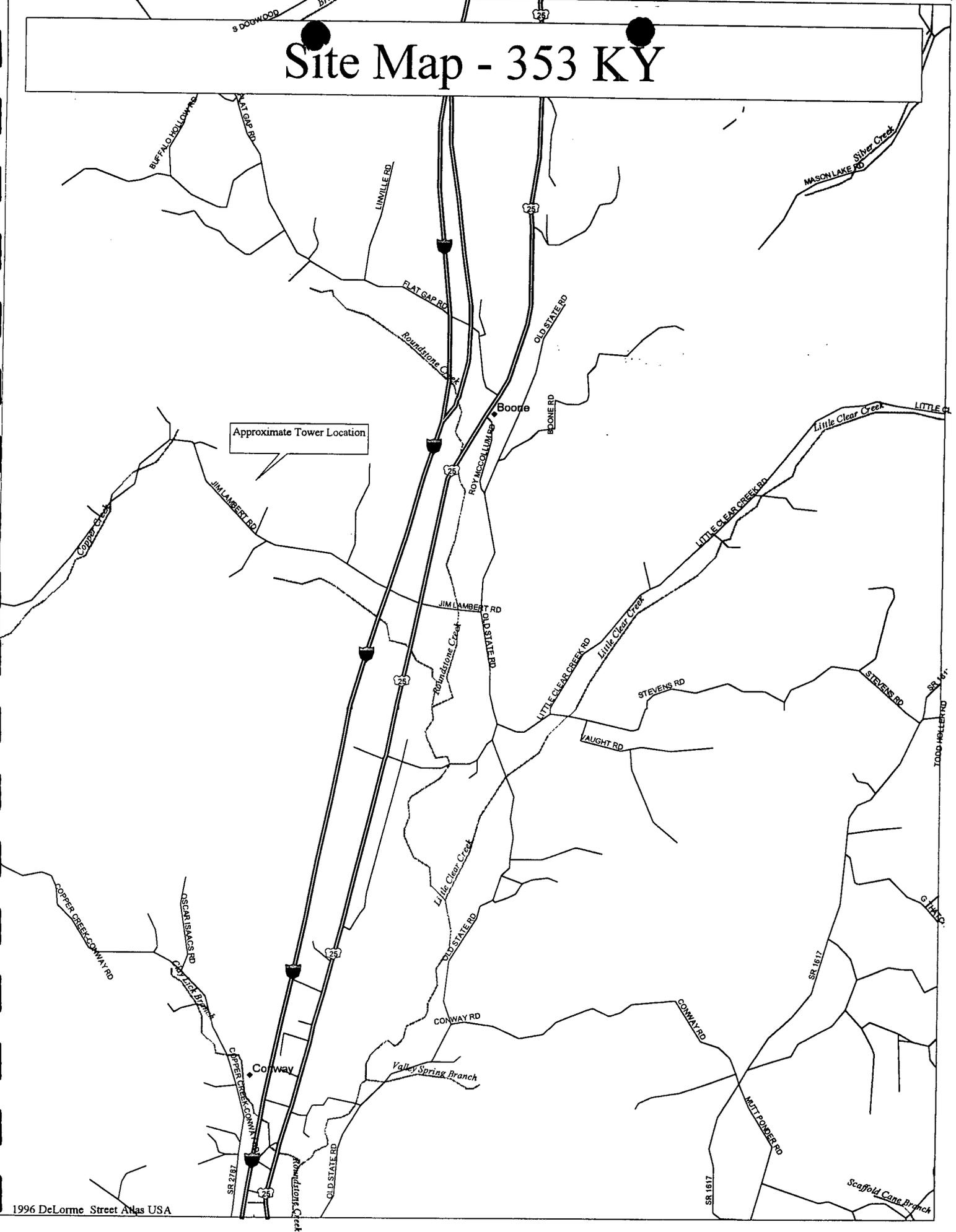
SITE VICINITY MAP

GEOTECHNICAL BORING LOG

SOIL SAMPLE CLASSIFICATION

MATERIALS GRAPHICS LEGEND

Site Map - 353 KY



Approximate Tower Location

CLIENT: Crown Communications
PROJECT: Proposed 353 KY Conway Tower
LOCATION: Berea, Kentucky

BORING NUMBER: B-1
PROJECT NUMBER: 13000.9G33
PROJECT MANAGER: Beth Stuber

Surface Elevation:
Date Started: 06/21/99
Date Completed: 06/21/99

Hammer Weight: 140 lbs.
Hammer Drop: 30 in.
Drill Foreman: J. Wharton

Hole Dia.: 7.5 in.
Boring Method: HSA
Supervisor: B. Stuber

| ELEV | MATERIAL DESCRIPTION | LAYER DEPTH & TYPE | DEPTH SCALE | SAMPLE DATA | | | | | NOTES |
|------|--|--------------------|-------------|-------------|----------|------|-----|--|--|
| | | | | NO | BLOWS | TYPE | REC | w,% | |
| | FILL - very stiff, light brown, wood particles, embedded clay shale. | 3.5 | 0 | 1 | 5-11-15 | SPT | 67 | | Evidence of previous grading was noted at the ground surface |
| | CLAY SHALE - hard, tan-grey | | 5 | 2 | 17-20-22 | SPT | 67 | 8.9 | |
| | | 10 | 3 | 26-31-39 | SPT | 67 | 8.8 | | |
| | | 15 | 4 | 40-33-36 | SPT | 67 | 9.2 | | |
| | | 16.0 | 5 | 46-39-48 | SPT | 67 | | | |
| | AUGER REFUSAL | | 20 | | | | | The borehole was dry at the completion of drilling operations. | |
| | | | 25 | | | | | | |
| | | | 30 | | | | | | |
| | | | 35 | | | | | | |
| | | | | | | | | | |

GEOTECHNICAL 13000-33.GPJ 7/1/99

SOIL SAMPLE CLASSIFICATION

GRANULAR SOILS

(Silt, Sand, Gravel and Combinations)

Density

| | |
|--------------|------------------------|
| Very Loose | - 5 blows/ft. or less |
| Loose | - 6 to 10 blows/ft. |
| Medium Dense | - 11 to 30 blows/ft. |
| Dense | - 31 to 50 blows/ft. |
| Very Dense | - 51 blows/ft. or more |

Relative Proportions

| <u>Relative Proportions</u> | <u>Percent</u> |
|-----------------------------|----------------|
| Trace | 1 - 10 |
| Little | 11 - 20 |
| Some | 21 - 35 |
| And | 36 - 50 |

Particle Size Identification

| | |
|----------|------------------------------|
| Boulders | - 8 inch diameter or more |
| Cobbles | - 3 to 8 inch diameter |
| Gravel | - Coarse - 1 to 3 inch |
| | Medium - ½ to 1 inch |
| | Fine - ¼ to ½ inch |
| Sand | - Coarse - 2.00 mm to ¼ inch |
| | - Medium - 0.42 to 2.00 mm |
| | - Fine - 0.074 to 0.42 mm |
| | - Silt - 0.002 to 0.074 mm |
| Clay | - less than 0.002 mm |

COHESIVE SOILS

(Clay, Silt and Combinations)

Consistency

| | |
|--------------|------------------------|
| Very Soft | - 3 blows/ft. or less |
| Soft | - 4 to 5 blows/ft. |
| Medium Stiff | - 6 to 10 blows/ft. |
| Stiff | - 11 to 15 blows/ft. |
| Very Stiff | - 16 to 30 blows/ft. |
| Hard | - 31 blows/ft. or more |

Plasticity

| <u>Plasticity</u> | <u>Plasticity Index</u> |
|----------------------|-------------------------|
| Degree of Plasticity | |
| None to Slight | 0 - 4 |
| Slight | 5 - 7 |
| Medium | 8 - 22 |
| High to Very High | over 22 |

Classification on logs are made by visual inspection of samples unless otherwise undicated.

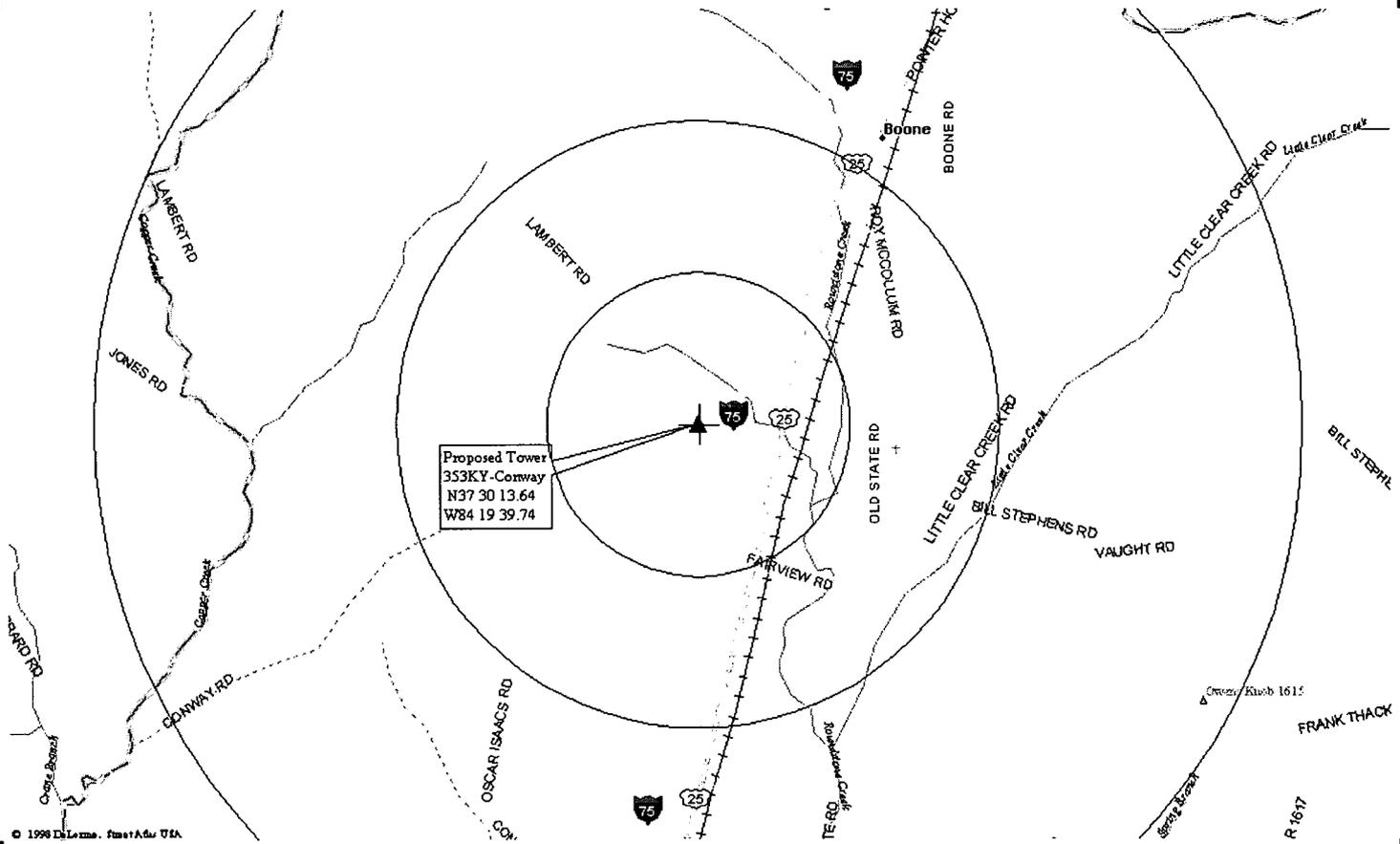
Standard Penetration Test - Driving a 2.0" O.D., 1-3/8" I.D. split-spoon sampler a distance of 12 inches into undisturbed soil with a 140 pound hammer free falling a distance of 30 inches. The sample is initially driven 6 inches to penetrate into undisturbed soil, then the test is performed. The number of hammer blows for seating the spoon and making the test are recorded for each 6 inches of penetration on the boring log (Example: 6-8-9). The standard penetration test N-value can be obtained by adding the last two figures (i.e. 8+9=17 blows/ft.). (ASTM D-1586)

Strata Changes - In the column "Material Description" on the boring log, the horizontal lines represent strata changes. A solid line (—) represents an actually observed change, a dashed line (- - -) represents an estimated change.

Ground Water observations were made at the times indicated. Porosity of soil strata, weather conditions, site topography, etc. may cause changes in the water levels indicated on the logs.



CANDIDATE LOCATION MAP



SITE ADDRESS 151 Jim Lambert Road
 City/Town: MT Vernon County: Rockcastle State: KY Zip: 40456

ACCESS INSTRUCTIONS: Contact Boyd or Claudia before entry. Their daughter lives in the trailer at the end of the access drive, but she works out of state and the gate on the drive is usually locked.
CONTACT: Boyd or Claudia Wren **PHONE:** 606-256-2624

DIRECTIONS TO SITE
 From Mt. Vernon: From the intersection of US 150 and US 25, travel north on US 25 approximately 12.2 miles, then turn west onto Jim Lambert Road. Jim Lambert Road under I-75. After the underpass, turn south onto the first gravel drive on your left. Site is located on top of the first hill south east of the trailer at the end of the gravel drive.

EXHIBIT J
COPY OF REAL ESTATE AGREEMENT

DEED OF EASEMENT AND COVENANTS

THIS DEED OF EASEMENT AND COVENANTS (hereinafter "Deed") is made this the _____ day of _____, 1999, by and between BOYD and CLAUDIA WREN, husband and wife, whose mailing address is Route 3, Box 389, Mt. Vernon, Kentucky 40456 (hereinafter together "Grantor"), and CROWN COMMUNICATION INC., a Delaware corporation, d/b/a CROWN COMMUNICATIONS, whose mailing address is 375 Southpointe Blvd., Canonsburg, Pennsylvania 15317 (hereinafter "Grantee").

Grantor is the owner of certain real property acquired by deed dated September 6, 1958, of record in Deed Book 79, Page 13, in the Office of the Clerk of Rockcastle County, Kentucky, ("Grantor's Property"). The legal description of Grantor's Property is attached hereto as **Exhibit A**.

Grantor, for a good and valuable consideration, the sufficiency of which is acknowledged, hereby grants and conveys to Grantee, its successors and assigns forever, an exclusive easement for the construction, installation, maintenance and operation of a communications tower along with an equipment structure or structures and all necessary connecting improvements and appurtenances, to be located on a portion of Grantor's Property as described and shown as **Exhibit B** attached hereto (the "Easement").

TO HAVE AND TO HOLD said Easement unto Grantee, its successors and assigns, for the purposes and uses herein designated, with a covenant of GENERAL WARRANTY.

This Easement includes an exclusive right to Grantee for ingress and egress seven days a week, twenty-four hours a day by motor vehicle, including but not limited to trucks, for the installation and maintenance of utility wires, poles, cables, conduits and pipes over, under or along the Easement.

The terms and conditions of this Easement are contained in that certain Agreement for Easement, dated January 14, 1999, by and between the parties hereto and incorporated herewith as part of this Deed.

Grantor covenants and restricts the remaining portion of Grantor's Property from the construction, installation or operation of any wireless communications facilities that emit radio frequencies without the prior written consent of Grantee. This is a covenant running with the land for so long as this Easement exist.

Grantee shall have a unilateral right to terminate this Easement at any time for any reason upon six months written notice to Grantor prior to the date of termination.

Upon termination of this Easement, Grantee shall within sixty (60) days, remove its building(s), tower and all above ground fixtures and restore the Easement area to its original condition, reasonable wear and tear excepted.

IN TESTIMONY WHEREOF, Grantor and Grantee have hereunto signed this Deed as of the date first above written.

WITNESS:



Print Name: Jeffrey T. Burdette

ATTEST:

GRANTORS:



Boyd Wren



Claudia Wren

GRANTEE:

CROWN COMMUNICATION INC.,
a Delaware corporation

By: _____
John Binkley,
Vice-President and General Manager

EXHIBIT A

LEGAL DESCRIPTION - GRANTOR'S PROPERTY

BOUNDED on the North by the lands of J. H. Lambert;
On the East by the lands of J. H. Lambert;
On the South by the lands of C. P. Mullins;
On the West by the lands of Nancy Lambert,
and containing sixty (60) acres, more or less.

BEING the same property conveyed to Boyd Wren and Claudia Wren, husband and wife, by deed dated September 6, 1958, of record in Deed Book 79, Page 13, in the Office of the Clerk of Rockcastle County, Kentucky.

"EXHIBIT B"

SHEET 2 of 2

This is a description for Crown Communication Inc., of an area from the property of Boyd Wren, which is further described as follows:

EASEMENT AREA

Beginning at an existing fence post located at the northeastern corner of the property conveyed to Boyd Wren in Deed Book 79, Page 13, in the Office of the Clerk, of the County Court, of Rockcastle County, Kentucky; thence N. 60° 22' 55" W. - 377.14' to a set #5 rebar in the southern right-of-way of Lambert Road; thence S. 27° 50' 55" W. - 805.60' to a set PK nail; thence S. 23° 33' 55" E. - 102.55' to a set #5 rebar; thence S. 08° 39' 29" W. - 426.52' to a set #5 rebar; thence S. 12° 04' 52" W. - 100.00' to a set #5 rebar and the true point of beginning of the Easement Area; thence S. 77° 55' 08" E. - 20.00' to a set #5 rebar; thence S. 12° 04' 52" W. - 100.00' to a set #5 rebar; thence N. 77° 55' 08" W. - 100.00' to a set #5 rebar; thence N. 12° 04' 52" E. - 100.00' to a set #5 rebar; thence S. 77° 55' 08" E. - 80.00' to the point of beginning containing 10,000 sq. ft. as per survey by T. Alan Neal Company dated March 29, 1999.

CENTER LINE OF 20' ACCESS EASEMENT

Beginning at an existing fence post located at the northeastern corner of the property conveyed to Boyd Wren in Deed Book 79, Page 13, in the Office of the Clerk, of the County Court, of Rockcastle County, Kentucky; thence N. 60° 22' 55" W. - 377.14' to a set #5 rebar in the southern right-of-way of Lambert Road

**EXHIBIT K
NOTIFICATION LISTING**

CERTIFICATION OF NOTIFICATION - EXHIBIT K
PSC Case # 99-432 Crown Ref.: 353 KY 250 - CONWAY

1)

Honorable George Carlos Carloftis
Rockcaslte County Judge Executive
P.O. Box 755
Mt. Vernon, KY 40456

2)

Boyd and Claudia Wren
Rt. 3, Box 389
Mt. Vernon, KY 40456

3)

Commonwealth of Kentucky
Transportation Cabinet
Frankfort, KY 40622

EXHIBIT L
COPY OF PROPERTY OWNER NOTIFICATION



Crown Castle USA Inc.
Kentucky Region
11001 Bluegrass Parkway, Suite 330
Louisville, KY 40299

Tel 502 240.0044
Fax 502 240.0045
www.crowncastle.com

November 1, 1999

Boyd and Claudia Wren
Rt. 3, Box 389
Mt. Vernon, KY 40456

RE: Public Notice – Public Service Commission of Kentucky
Case No.: 99-432
Our Site No.: 353 KY

Dear Boyd and Claudia:

Crown Communication Inc. and Tritel Communications, Inc. have applied to the Public Service Commission of Kentucky ("Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide wireless telecommunication services. The facility will include a 350-foot tower with appurtenances attached to a maximum height of 375 feet, and a ground level equipment shelter to be located at 151 Jim Lambert Road, Mt. Vernon, KY 40456. A temporary tower of shorter stature might be erected at said location while awaiting final PSC approval and the approved tower is operational. This notice is being sent to you because you own property within a 500' radius of the proposed tower.

The Commission invites your comments regarding the proposed construction. You also have the right to intervene in this matter. Your initial communication to the Commission must be received by the Commission within 20 days of the date of this letter as shown above. Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of Kentucky, Post Office Box 615, Frankfort, Kentucky 40602. Please refer to Case No.: 99-432 in your correspondence.

Feel free to contact me at (502) 240-0044 ext. 52 if you have any questions.

Sincerely,
CROWN COMMUNICATION INC.

A handwritten signature in black ink, appearing to read 'L. McCarthy', written over the printed name.

Lloyd D. McCarthy
For Crown Communication Inc.



Crown Castle USA Inc.
Kentucky Region
11001 Bluegrass Parkway, Suite 330
Louisville, KY 40299

Tel 502 240.0044
Fax 502 240.0045
www.crowncastle.com

November 1, 1999

Commonwealth of Kentucky
Transportation Cabinet
Frankfort, KY 40622

RE: Public Notice – Public Service Commission of Kentucky
Case No.: 99-432
Our Site No.: 353 KY

Dear Sir or Madam:

Crown Communication Inc. and Tritel Communications, Inc. have applied to the Public Service Commission of Kentucky ("Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide wireless telecommunication services. The facility will include a 350-foot tower with appurtenances attached to a maximum height of 375 feet, and a ground level equipment shelter to be located at 151 Jim Lambert Road, Mt. Vernon, KY 40456. A temporary tower of shorter stature might be erected at said location while awaiting final PSC approval and the approved tower is operational. This notice is being sent to you because you own property within a 500' radius of the proposed tower.

The Commission invites your comments regarding the proposed construction. You also have the right to intervene in this matter. Your initial communication to the Commission must be received by the Commission within 20 days of the date of this letter as shown above. Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of Kentucky, Post Office Box 615, Frankfort, Kentucky 40602. Please refer to Case No.: 99-432 in your correspondence.

Feel free to contact me at (502) 240-0044 ext. 52 if you have any questions.

Sincerely,
CROWN COMMUNICATION INC.

A handwritten signature in cursive script, appearing to read 'L. McCarthy'.

Lloyd D. McCarthy
For Crown Communication Inc.,



Crown Castle USA Inc.
Kentucky Region
11001 Bluegrass Parkway, Suite 330
Louisville, KY 40299

Tel 502 240.0044
Fax 502 240.0045
www.crowncastle.com

November 1, 1999

Honorable George Carlos Carloftis
Rockcastle County Judge Executive
P.O. Box 755
Mt. Vernon, KY 40456

RE: Public Notice – Public Service Commission of Kentucky
Case No.: 99-432
Our Site No.: 353 KY

Hon. Judge Carloftis:

Crown Communication Inc. and Tritel Communications, Inc. have applied to the Public Service Commission of Kentucky ("Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide wireless telecommunication services. The facility will include a 350-foot tower with appurtenances attached to a maximum height of 375 feet, and a ground level equipment shelter to be located at 151 Jim Lambert Road, Mt. Vernon, KY 40456. A temporary tower of shorter stature might be erected at said location while awaiting final PSC approval and the approved tower is operational. This notice is being sent to you because you are the Judge Executive of Rockcastle County.

The Commission invites your comments regarding the proposed construction. You also have the right to intervene in this matter. Your initial communication to the Commission must be received by the Commission within 20 days of the date of this letter as shown above. Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of Kentucky, Post Office Box 615, Frankfort, Kentucky 40602. Please refer to Case No.: 99-432 in your correspondence.

Feel free contact me at (502) 240-0044 ext. 52, if you have any questions.

Sincerely,
CROWN COMMUNICATION INC.


Lloyd McCarthy
For Crown Communication Inc.

EXHIBIT N
COPY OF POSTING NOTICES

Copies of Posting Notices

Crown Communication, Inc proposes to construct a

TELECOMMUNICATIONS TOWER

on this site. If you have questions, please contact the General Manager, Crown Communication, Inc., 11001 Bluegrass Parkway, Suite 330, Louisville, KY 40299, (502) 240-0044 or the Executive Director, Public Service Commission, 730 Schenkel Lane, P.O. Box 615, Frankfort, KY 40602.
Please refer to Case # 99-432 in your correspondence.

Crown Communication, Inc., proposes to construct a

TELECOMMUNICATIONS TOWER

near this site. If you have questions, please contact the General Manager, Crown Communication, Inc., 11001 Bluegrass Parkway, Suite 330, Louisville, KY 40299, (502) 240-0044 or the Executive Director, Public Service Commission, 730 Schenkel Lane, P.O. Box 615, Frankfort, KY 40602.
Please refer to Case # 99-432 in your correspondence.

EXHIBIT O
COPY OF RADIO FREQUENCY DESIGN SEARCH AREA

Crown Communications

Site Search Area Form



Date Issued: 11/23/98 Crown Site ID: 353KY
RF Engineer: Masud Tarafder Crown Site Name: Conway
Office #: 502-240-0044
Fax #: 502-240-0045

Site Information:

Latitude: 37 29 59.26 Minimum Elevation(AMSL): 1140 ft.
Longitude: 84 19 33.37 ACL designed 300 ft.
Preliminary Height Allowed by FAA: 1000 ft.
City: Conway County: Rockcastle State: KY

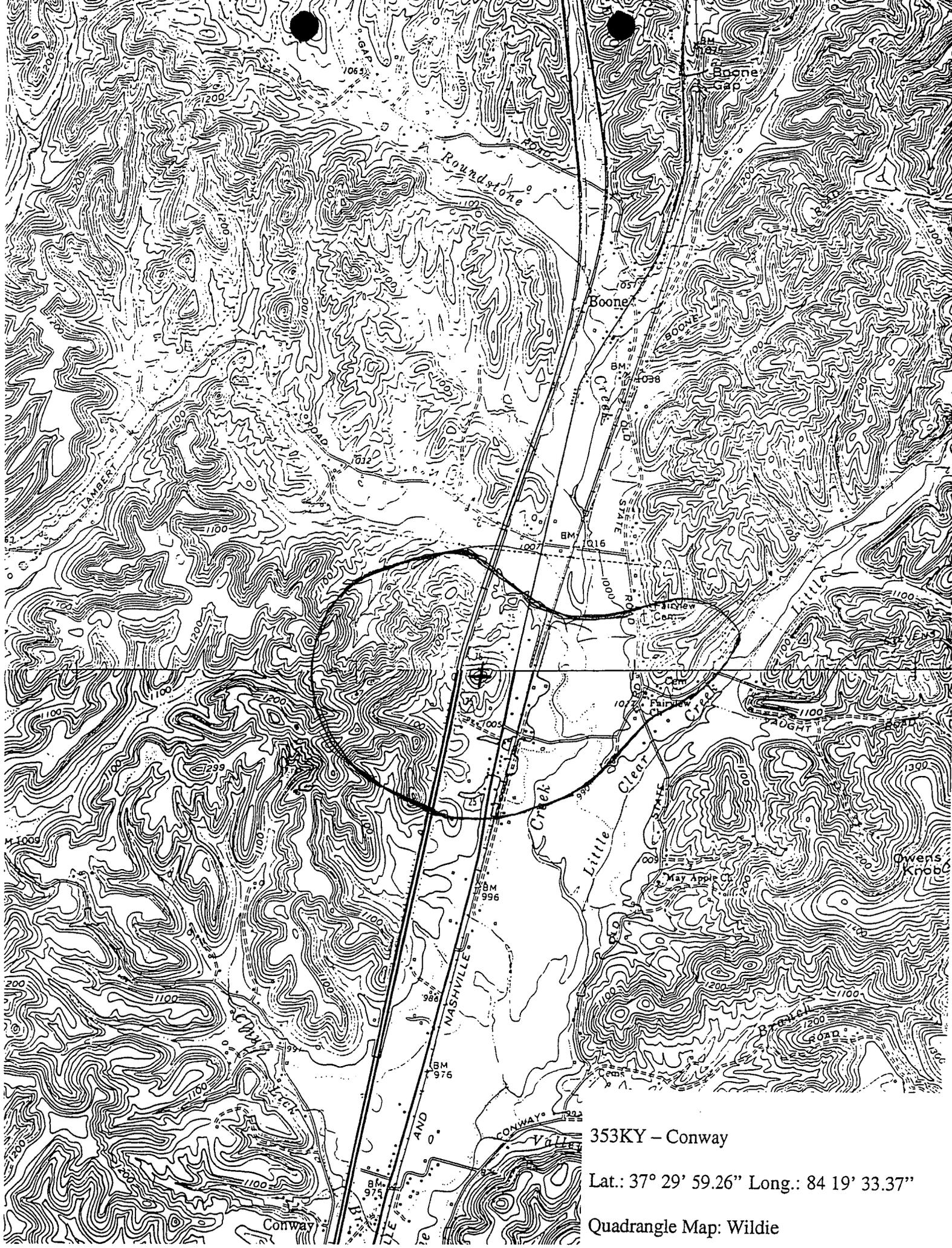
Coverage Objectives:

Primary: I-75 corridor
Secondary: Hwy 25, Boone, KY - Conway, KY

Quadrangle Map(1:24,000):

Wildie

Signature: _____

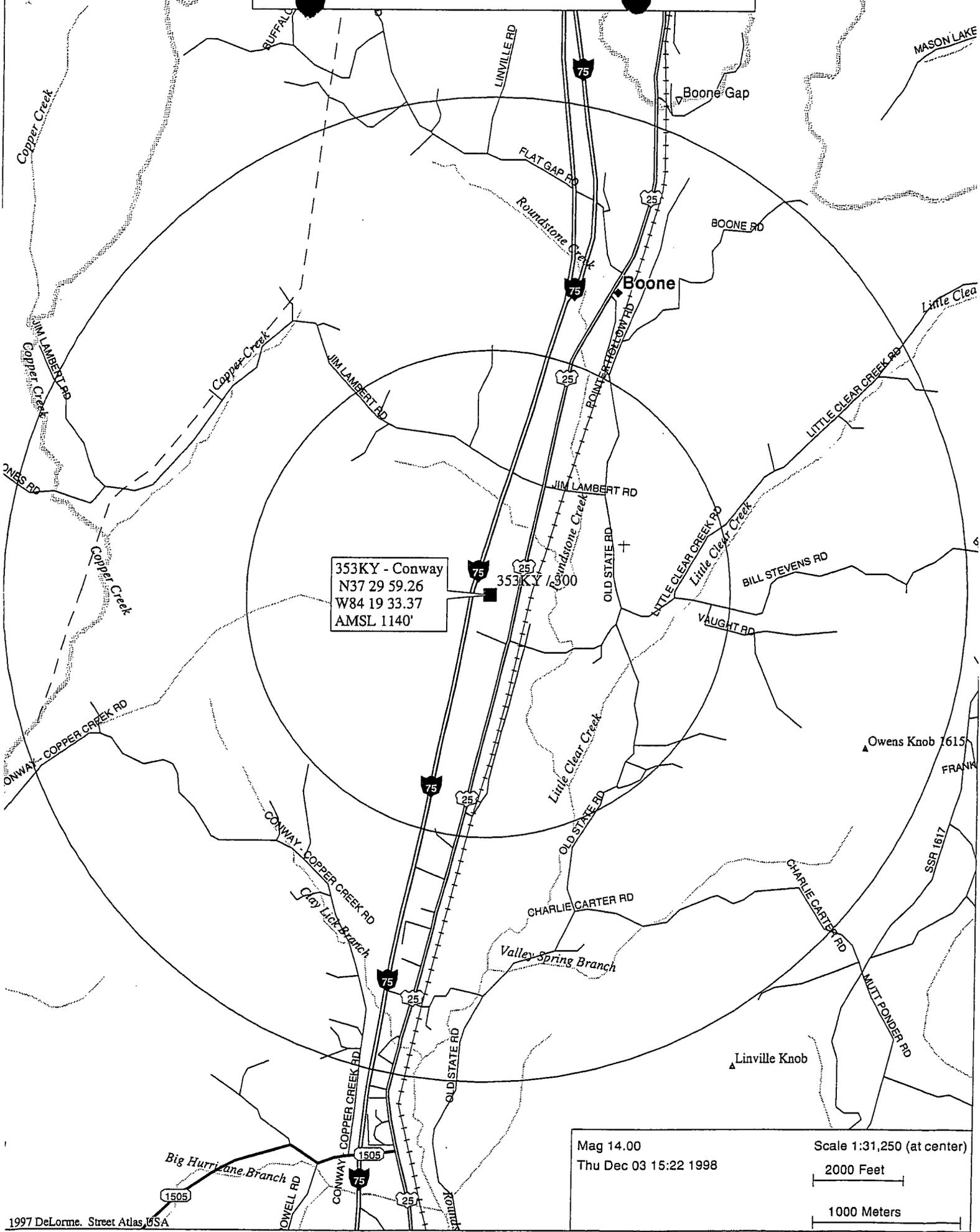


353KY - Conway

Lat.: 37° 29' 59.26" Long.: 84 19' 33.37"

Quadrangle Map: Wildie

353KY - Conway



353KY - Conway
N37 29 59.26
W84 19 33.37
AMSL 1140'

| | |
|-----------------------|----------------------------|
| Mag 14.00 | Scale 1:31,250 (at center) |
| Thu Dec 03 15:22 1998 | 2000 Feet |
| | 1000 Meters |

EXHIBIT P
TOWER MAP FOR SUBJECT COUNTY

